

SOLUTION BRIEF

Modern Data Protection with Commvault and FlashArray

Solving backup and recovery challenges with Commvault.

Ransomware attacks are a rapidly growing problem. Estimated global ransomware damage topped \$20 billion in 2021, and is expected to increase more than 10-fold to [\\$265 billion](#) by 2031. Given this, it's more important than ever to have a backup and recovery solution protect your data quickly and get you back online faster in the event of a compromise.

Deploying Pure Storage® FlashArray//C capacity-optimized all-flash storage with Commvault's proven data protection architecture provides organizations a powerful, enterprise-ready backup platform that's easy to scale.

FlashArray Block and File Services for Capacity-optimized Storage

Pure FlashArray™ delivers native, multi-protocol storage that eliminates the trouble and expense of running separate file and block environments. With FlashArray File Services, file- and block-based data benefit from a unified data layer, a shared pool of capacity, and global data reduction.

FlashArray//C is designed to address operational workload requirements at a fraction of the cost of traditional and hybrid arrays. The all-QLC design of FlashArray//C delivers consistent, all-flash performance, proven 99.9999% availability, and consistent single millisecond latency for the most demanding environments. Based on the same agile data services provided by the Purity operating environment, FlashArray//C offers a consistent user experience and seamless data mobility to address critical, operational, and cloud-based workloads.

With FlashArray//C, you receive high performance backup and restore on an all-flash backup target with Pure SafeMode™ at no additional charge. Your business can be back online quickly with recovery speeds of up to 10TB per hour with FlashArray//C¹.



Flexible File Recovery Options

Restore previous or current files to the original location or an alternate location.



Powerful, Enterprise-Ready Platform

FlashArray delivers all-flash performance with proven 99.9999% availability for the most demanding environments.



Cost-effective

Eliminate expensive refreshes with Evergreen Storage™ to deliver the agility needed to meet your business demands.

¹ Based on internal Pure Storage testing and analysis. Results may vary as differences in system configuration might affect actual performance.



Using FlashArray//C as a Commvault Repository

Commvault Complete software leverages the performance and economics of FlashArray//C by simply configuring Commvault Media Agents to access FlashArray//C volumes or file systems. SafeMode can then be enabled to protect Commvault backups from ransomware attacks. SafeMode protects backup data and metadata by creating a secure copy that ransomware can't delete, modify, or encrypt the snapshots of Commvault backups, even if admin credentials are compromised.

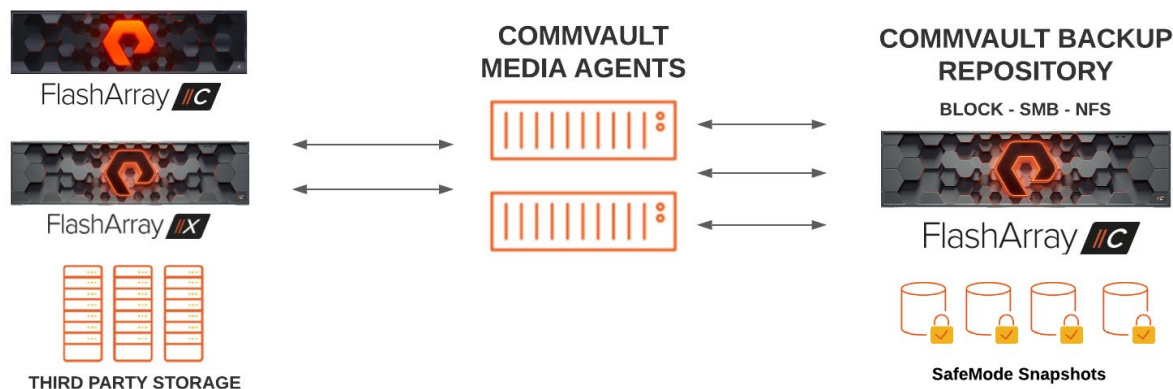


Figure 1: Leveraging FlashArray//C as a backup repository for Commvault.

Effective Snapshot Tiering

FlashArray//C delivers consistent performance, hyper-consolidation, and simplified management for Tier 2 applications. Designed for workloads where the priority is cost-efficient capacity rather than performance, FlashArray//C gives you the economies of hybrid flash-disk systems with the speed of flash. FlashArray//C provides an effective way to consolidate test/dev, backup, and recovery of VMs, email, data repositories, and more. For workloads running on high-performance storage arrays like FlashArray//X, FlashArray//C provides cost-effective storage with a rich set of data services that can leverage replication to automatically copy snapshots from FlashArray//X via policy-based virtual machine (VM) management. This provides advantages like easily restoring snapshots back to FlashArray//X in the event of a disaster and allowing teams such as developers or data scientists to use the snapshots for other purposes to run on FlashArray//C.

With FlashArray//C File Services you can leverage:

- Simplified setup and configuration, saving you time and complexity
- Improved performance and backup rates up to 10TB per hour
- Native support for NFS and SMB protocols, eliminating the complexity and cost of running two environments

Additional Resources

- Learn more about [Commvault Backup with FlashArray//C File Services](#).
- Explore [FlashArray//C](#) to experience storage capacity without compromise.
- Discover more [Pure solutions for Commvault](#).

purestorage.com

800.379.PURE



PURE STORAGE®