

# Using FlashArray as a Backup Target for Veeam

Achieve capacity-optimized storage for long-term archiving.

Backup repositories using Pure Storage® FlashArray™ storage are an excellent choice for Veeam Backup & Replication due to ease of management and all-flash performance. Pure FlashArray//C, a capacity-optimized, all-QLC flash array is designed for workloads such as data protection, disaster recovery, and snapshot retention—delivering all-flash performance at a lower cost over hybrid storage.

## FlashArray File Services for Capacity-optimized Storage

Pure FlashArray File Services delivers native, multi-protocol file 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.

FlashArray//C delivers high performance backup and restore as an all-flash backup target. FlashArray//C includes Pure SafeMode™ snapshots at no additional charge. SafeMode snapshots protect backup data and metadata by creating a secure copy. Ransomware can't eradicate, modify, or encrypt SafeMode snapshots, even if admin credentials are compromised. FlashArray//C delivers recovery speeds up to 8–10 TB per hour, data encryption, and efficient data reduction of 9.45 to 1, making it an ideal target for Veeam backups.



### Multi-tiered Protection and Support

Automatically copy files to NFS or SMB archive storage for long-term retention or a secondary tier for redundancy.



### Flexible File Recovery Options

Restore the most recent or previous versions of your file(s) to the original location or an alternate location.



### Cost-effective

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



## FlashArray//C as a Veeam Repository

Veeam Backup & Replication software enables modern and simple protection of FlashArray file data. Veeam's flexible recovery options provides everything you need to leverage FlashArray//C as a backup repository. Veeam Backup & Replication backs-up file data from native FlashArray storage snapshots by reading the data of shared files and folders from snapshots, speeding backup operations. Improving RPOs is made possible due to the all-QLC performance of FlashArray//C that provides proven 99.9999% availability, non-disruptive upgrades, and consistent single-millisecond latency to meet the needs of the most demanding environments.

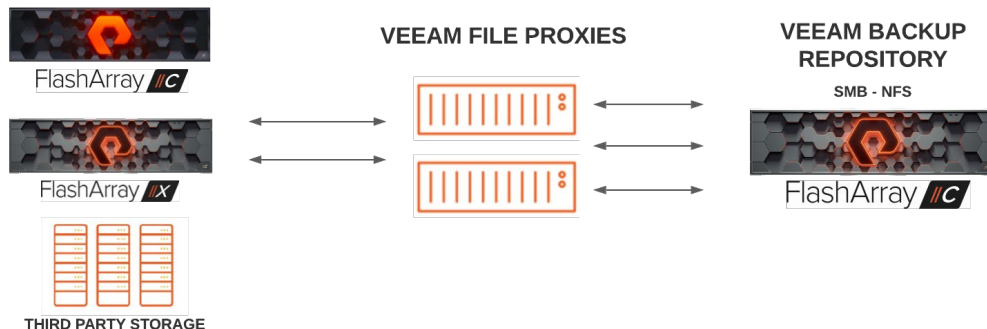


Figure 1: Using FlashArray//C as a Veeam backup repository.

## 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 provides an effective way to consolidate test/dev, backup, and recovery of VMs, email, data repositories, and more, combining the economies of hybrid flash-disk systems with the speed of flash.

For virtualized 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 the ability to easily restore 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.

Veeam Backup & Replication provides availability for data and applications by backing up file data from native FlashArray storage snapshots, making FlashArray//C an ideal choice to keep snapshots for long-term storage. Just configure FlashArray//C as a secondary repository for redundancy or create policies for different retention times and configure Veeam to copy backups from FlashArray//X to FlashArray//C.

Using FlashArray//C File Services provide the following benefits:

- Simplified setup and configuration to save time and complexity
- Improved performance and backup rates up to 8–10TB per hour
- Native support for NFS and SMB protocols, eliminating the complexity and cost of running two environments



## Additional Resources

- [Test drive](#) Veeam on FlashArray.
- Learn more about using [FlashArray File Services as a Veeam repository](#).
- [Download the free plug-in](#) for Veeam Backup & Replication
- Explore [FlashArray//C](#) to experience storage capacity without compromise.
- Discover more [Pure Solutions for Veeam](#).

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