

SOLUTION BRIEF

Instant Immutability with FlashBlade and Commvault

Gain the data protection and recovery speeds you need.

Ransomware attacks continue to be a top concern for business and IT leaders—and for good reason. Ransomware can compromise access to your organization’s lifeblood—your data—and bring you to a standstill. Organizations increasingly rely on backups to recover after an attack, helping avoid the need to pay a ransom. But the criminals have taken notice of this shift and now routinely destroy backups as part of their attacks, preventing organizations from restoring from a backup—and greatly increasing the chances that a ransom will be paid.

Protecting Backups Is a New Necessity

With this new looming threat, how do you protect your backups from an attack?

Attackers targeting both primary data and backups are forcing storage and backup architects to consider how not only to recover mission-critical data quickly, but also how to secure backups from a ransomware attacks. Pure Storage® FlashBlade//S™ not only rapidly recovers your mission-critical data when needed but secures your backups from attack through deep integration with S3 Object Lock and additional enhancements with Pure Storage SafeMode™ SnapShots.

Pure Storage FlashBlade and Commvault

Pure Storage and Commvault have developed a joint solution that delivers the data protection and recovery performance you need to keep applications running and meet your business requirements.

Commvault adds orchestration and data management to Pure Storage snapshot technology with Commvault IntelliSnap technology. IntelliSnap streamlines and simplifies snapshot administration by centralizing snapshot management across one or many storage arrays; automating object, application, and database recovery; and linking snapshots to the backup processes.



High Performance Backup and Restore

Deliver multiple TBs per hour sustained backup and restore.



Object Lock Support

Instantly protect backups with Object Lock



Enhanced Ransomware Protection

Prevent unauthorized changes to FlashBlade Objects

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Utilizing FlashBlade® with Commvault completely transforms your data protection outcomes. The all-flash, scale out architecture combined with the massively parallel S3 implementation of FlashBlade delivers high performance backup and rapid restore capabilities at scale. FlashBlade easily overcomes the limitations of legacy data protection architectures with recovery performance exceeding 20TB per hour.

Object Lock and SafeMode Retention Lock

Minimizing the impact of an attack is critical to reducing the cost of an attack. Combining FlashBlade//S Rapid Restore with Commvault significantly reduces recovery time. With insurance companies raising premiums and increasing requirements for cyber coverage, ensuring recoverability and the ability to restore your systems quickly are critical in securing a policy with a lower premium.

Pure Storage has adopted a multi-layer approach to protecting your backups. Deep integration with S3 Object Lock mitigates these attacks by preventing any backup data modification or deletion the moment the backup object is written to FlashBlade. Additional SafeMode security features include retention lock and freeze objects.

SafeMode Retention Lock prevents unauthorized users from deleting or modifying objects without going through additional security processes with Pure Support. The Freeze Objects option disables specific S3 commands, preventing an attacker from disrupting access to your backup data.

Using FlashBlade with Commvault provides:

- Instant immutability for Commvault backups using S3 Object Lock
- Prevention against access disruptions with SafeMode retention lock and Freeze Objects options
- Seamless simplicity with no special configuration, management, or restore processes
- A massively parallel architecture that delivers easily scalable Rapid Restore
- Enhanced investment protection that includes Object Lock and SafeMode Retention Lock at no extra charge

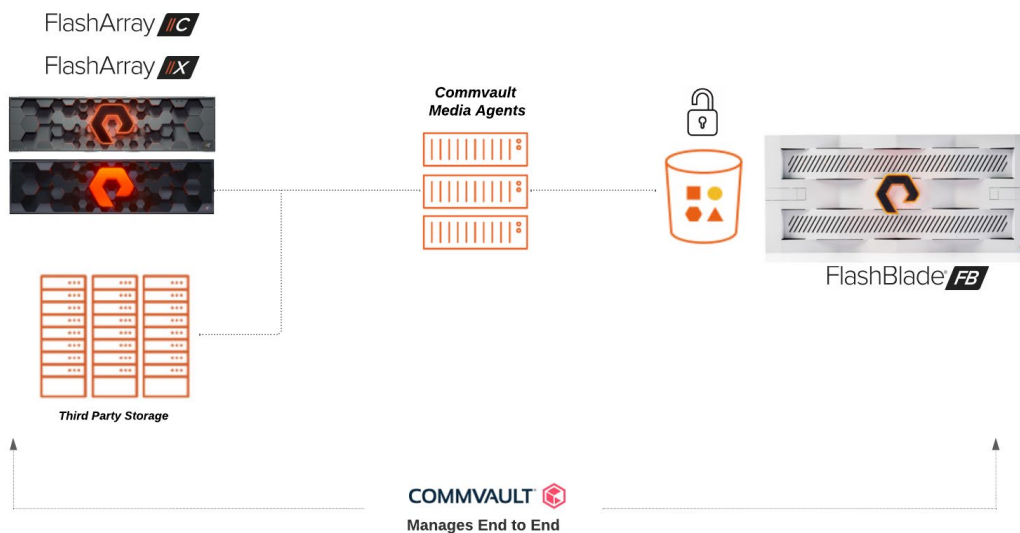


Figure 1. FlashBlade and Commvault Architecture

Transform Your Data Protection Outcomes

Together, FlashBlade and Commvault transform your data protection solution. Innovative, flash-based scale out architecture from FlashBlade enables you to restore data rapidly at scale and meet your business's SLAs. Adding object lock integration gives you instant immutability for any Commvault backup. This means that in the event of an attack, you can recover quickly from reliable backups.

Storage That Gets Better over Time

Always modern infrastructure: FlashBlade//S is designed to accelerate future innovation, making it simpler to bring more dense, power-efficient, and performant systems to market faster to address the evolving demands of modern file and object workloads. An Evergreen® subscription makes FlashBlade//S the last scale-out storage platform you'll ever need. With it, you get the latest generation blade upgrades included every three years (Ever Modern), full trade-in credit on FlashBlade model upgrades (Ever Agile), and capacity consolidation with the ability to upgrade to denser future DirectFlash Modules as they become available. New software features and capabilities are continually added with premium-level, proactive, and predictive support included. Evergreen//One™ offers a subscription to continuous innovation with a flexible consumption model, enabling you to purchase FlashBlade//S the same way as other popular cloud-based infrastructure offerings.

Reduced Carbon Footprint

Environmental, social, and corporate governance (ESG) initiatives are becoming top priorities for many organizations. As a result, space and power constraints are now crucial considerations in storage strategy. With Pure Storage architectural design, you can uncomplicate your relationship between data storage and decrease your carbon footprint. It's designed to save data center space with streamlined energy consumption and more efficient power and cooling, which creates a storage solution that has a significant and immediate impact on the environment while lowering overall TCO.

Additional Resources

- Watch how [Rapid Restore for Commvault with FlashBlade//S](#) can get you back up and running faster.
- Find out more about [Pure Storage and Commvault Data Protection Solutions](#).
- Review the [Pure Storage 2021 ESG Report](#).

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800.379.PURE

