SOLUTION BRIEF

Simplify Business Continuity with ActiveCluster and IntelliSnap

Create performant, local, and remote application-consistent snapshots using Commvault IntelliSnap and Pure Storage® ActiveCluster™.

The modern data center must be ready for anything. And that means deploying solutions that provide protection from any event that might compromise access to your organization's lifeblood—your data. Even though millions of dollars are spent annually to protect data, many still underestimate the strategic value of comprehensive data protection solutions. It's little wonder that businesses end up making compromises on their data protection. The unfortunate outcomes are incomplete protection of data and considerable uncertainty about the ability to recover in all circumstances.

To meet these challenges, Pure Storage and Commvault developed a jointly integrated solution consisting of Pure ActiveCluster and Commvault IntelliSnap. The combined solution delivers simple-to-manage, active-active storage, enabling bullet-proof availability along with application-consistent snapshots within or across multiple data centers. This solution makes it simple to keep your business online and to deliver speedy backup and recovery from multiple data centers.

Pure ActiveCluster and Commvault IntelliSnap

Pure ActiveCluster offers synchronous replication, transparent failover, and non-disruptive mobility technologies to help keep your business online and running during the expected and unexpected events that can occur in today's IT environment. Pure FlashArray™ leverages metadata to enable ActiveCluster to create snapshots without sending application data between arrays. These ActiveCluster snapshots are directly

Jointly Integrated

Joint integration allows IntelliSnap to harness the power of FlashArray™ snapshots, speeding backup and recovery processes.

Simplified Management

IntelliSnap technology automates and orchestrates snapshot management and lifecycle management using a single console.

Improved ROI and value

Data protection features are built into every FlashArray so you don't pay for next-generation performance and resiliency.

integrated within Commvault's enterprise management layer to enable coordination between applications and storage. Not only does this provide a single pane of glass, but also it allows organizations to easily incorporate application-consistent snapshots into their data protection operations.

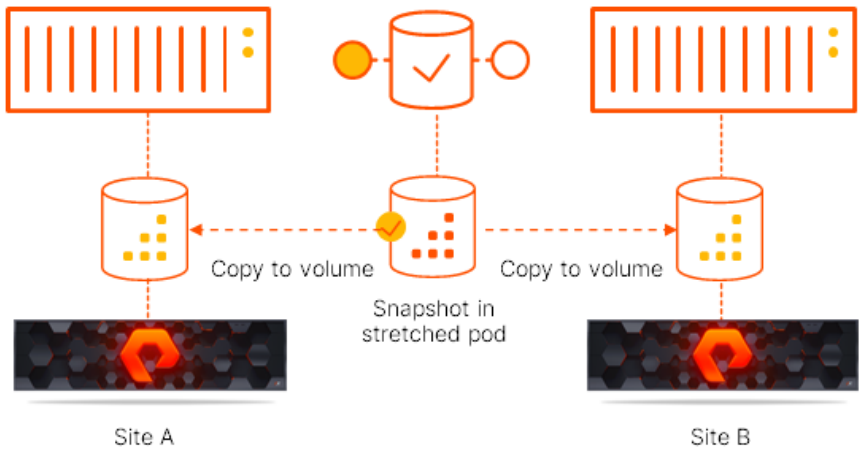

Figure 1. Pure Storage ActiveCluster architecture.

Commvault IntelliSnap technology leverages snapshots to extend the benefits of ActiveCluster and lower the impact of backing up on your critical systems. This makes restoring your data extremely fast and enables simple self-service data copies for non-production use. Together, IntelliSnap and ActiveCluster deliver application-consistent data protection, automated point-in-time recovery, and rapid self-service data copies in a single pane of glass that's simple to deploy and manage.

Fast and Simple Recovery

Snapshot-based data protection solutions typically provide faster recovery and data capture, less application disruption, and reduced costs for non-production copies. Commvault IntelliSnap technology automates and orchestrates snapshot management and lifecycle management across multiple storage arrays using a single console—providing native integrated support for hypervisors, operating systems, enterprise applications, and storage arrays. Commvault Complete Data Protection provides multiple options for recovering files, including restoring files to their original location or an alternate path. Through a self-service web console, you can quickly locate files and perform browse, restore, and download operations.

The Next Level of Integration

Integrated Pure Storage and Commvault technology extend beyond just creating and managing snapshots. The next level of integration has seen Commvault integrate with ActiveCluster synchronous replication technology. This allows identical space-efficient, application-consistent snapshots to be simultaneously created at multiple sites. Backup, restore, and offload performance is dramatically improved as these operations can be performed using the FlashArray that is in closest proximity to the application server(s), backup server(s), or offload target(s). Such is the nature of the integration developed by Pure Storage and Commvault; you can manage all this via the Commvault Management interface.

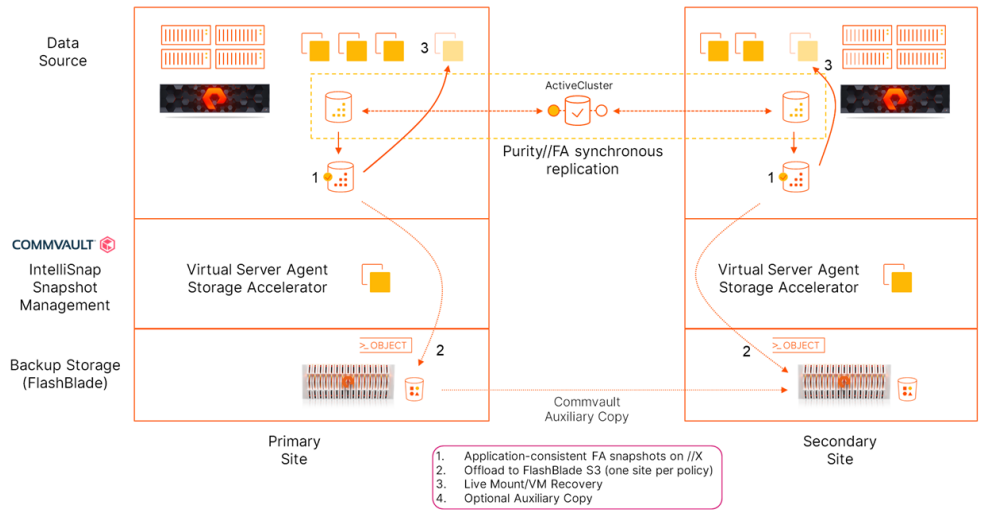

Figure 2. Pure Storage and Commvault together

Simplified Data Protection and Reduced Data Storage Costs

FlashArray ActiveCluster is a simple, reliable solution for adding high availability to applications within and across metro distances. Commvault IntelliSnap complements ActiveCluster with simple, reliable data protection that creates application-consistent FlashArray snapshots. Purity™ snapshots are natively integrated into FlashArray at no charge—delivering data portability from one FlashArray to a secondary FlashArray, FlashBlade®, NFS targets for replication and tiering, or to Amazon AWS or Microsoft Azure cloud for off-premises backup. Additional features include:

- High availability for mission-critical applications plus site awareness for backup, restore, and offload operations
- Application-consistent snapshots through Commvault IntelliSnap and Pure snapshots for fast backups and recovery of mission-critical applications
- Improved economics by storing snapshots on the most suitable platform by using policy to seamlessly move older snapshots to different storage tiers
- Management of entire data-protection snapshot lifecycle through the Commvault UI with Pure handling data movement
- Commvault Live Mount technology to mount copies of virtual machines from snapshots
- Commvault policies that streamline backups, simplify disaster-recovery testing, and let users drive faster database refreshes—with less infrastructure and higher performance than with dedicated second-tier storage

Additional Resources

- Discover the benefits of Pure Storage FlashArray.
- Learn more about data protection with Commvault.

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