SOLUTION BRIEF

Modern Data Protection for FlashStack

FlashStack with
Commvault® Data Platform

COMMVAULT®

STREAMLINED
Single, integrated architecture with management from a central location

TRANSFORMATIVE
Innovation without the need to rip and replace

PROTECTED
Integration with the Commvault Data Platform for automated data protection and recovery of FlashStack infrastructure and data

FEATURE RICH
Includes snapshot, backup, archive, and reporting capabilities

PROVEN
Pretested and validated solution

Traditional and siloed IT platforms built on separate hardware and software components limit IT and business success. That's why many IT organizations are turning to FlashStack™, a Cisco® and Pure Storage® solution, and Commvault Data Platform to change the way they deploy IT services.

FLASHSTACK: TRANSFORMATIVE IT INFRASTRUCTURE
Our streamlined, flexible, and transformative approach to IT infrastructure combines the latest innovation in computing, network, storage, and management components into a single, integrated architecture that accelerates IT service delivery. Based on the latest Cisco Unified Computing System™ (Cisco UCS®) server technology and 100 percent flash storage, FlashStack provides the performance and reliability that business-critical applications demand while lowering overall IT costs and reducing deployment risk.

COMMVAULT: MODERN DATA PROTECTION FOR FLASHSTACK DEPLOYMENTS
As IT organizations deploy more business-critical applications on FlashStack, there is a growing need for a unified enterprise data management solution that can protect and manage business-critical applications. Commvault Data Platform provides integrated data management and protection for FlashStack deployments. A unified and automated platform provides a single, complete

FlashStack

view of all enterprise data wherever it resides, whether on premises or in the cloud. This single-platform approach helps reduce costs and risk by eliminating the need for multiple products for physical, virtual, and cloud components.

Commvault Data Platform also eliminates the corresponding data silos that come with standalone, point products. It allows users to store, relate, classify, and search for all data across the enterprise, improving operations efficiency and data management initiatives.

ACCELERATE TIME TO VALUE. Commvault Data Platform accelerates the migration from existing traditional infrastructure to FlashStack, decreasing implementation time and reducing risk.

INTEGRATE DATA PROTECTION AND RECOVERY. Application-aware backup and snapshot orchestration provides integrated protection of the physical and virtual servers in FlashStack deployments.

MAKE SNAPSHOTS SMART. Intelligent integration is orchestrated across FlashStack storage snapshots, applications, and hypervisors to capture clean and recoverable application images.

ENHANCE VALUE. With Commvault Data Platform, IT organizations can eliminate complex scripting and automate application- and hypervisor-aware snapshot and recovery operations.
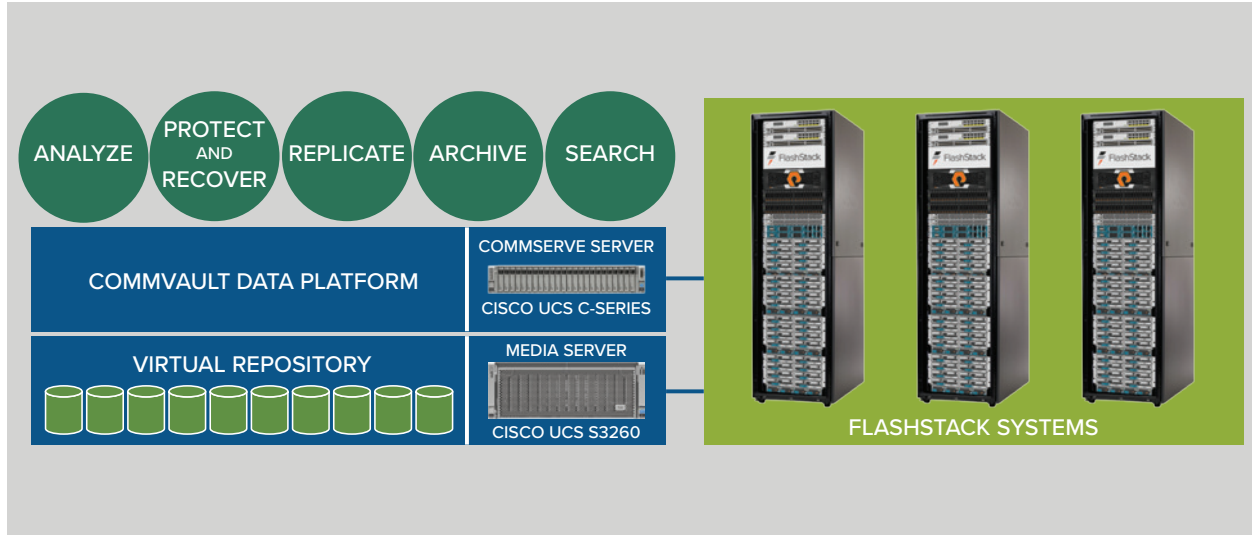
INCREASE UNDERSTANDING. A single, virtual data repository delivers insight across storage systems, applications, hypervisors, and data protection operations. This insight extends to both primary and secondary copies and to archives.

SEAMLESSLY MIGRATE TO THE CLOUD. Integration of enterprise applications, storage arrays, and cloud storage providers supports workload portability in virtualized environments, on premises, within a cloud, and to and from cloud environments.

ANALYZE · **PROTECT AND RECOVER** · **REPLICATE** · **ARCHIVE** · **SEARCH**

COMMVAULT DATA PLATFORM

COMMSERVE SERVER
CISCO UCS C-SERIES

VIRTUAL REPOSITORY

MEDIA SERVER
CISCO UCS S3260

FLASHSTACK SYSTEMS

ACCELERATE DECISION MAKING AND APPLICATION DEVELOPMENT. Active copy management eliminates unnecessary copies of data using policy-based automation, and supports the creation of development and test copies in minutes, not hours or days.

RECOVER FASTER. Built-in IntelliSnap® snapshot technology accelerates the backup and recovery of both physical and virtual IT infrastructure to meet stringent recovery-time and recovery-point objectives for FlashStack deployments.

TRUST A PROVEN SOLUTION
When point products are added in an ad hoc manner, IT organizations spend a lot of time and resources selecting, connecting, integrating, testing, and managing hardware and software components. Cisco, Pure Storage, and Commvault make it easy to deploy technologies and implement an effective data protection plan for IT infrastructure using FlashStack. A verified, lab-tested architecture provides detailed design and implementation guidance that helps reduce risk and guesswork by giving administrators and architects a guidebook for implementation. By following the

guidelines in this Cisco Validated Design, IT staff can quickly deploy a trusted solution that optimizes data protection for FlashStack infrastructure resources.

DEPLOY WITH CONFIDENCE
Whether your organization is migrating from traditional platforms or expanding existing infrastructure, FlashStack can help you transform and better deliver IT services. With the addition of Commvault Data Platform, your IT staff can quickly, easily, and simply protect virtual and physical environments while making the transition to FlashStack a smooth and seamless process.

COMPUTING	DISK STORAGE	FLASH STORAGE	DATA MANAGEMENT
• Cisco UCS C-Series Rack Servers deliver exceptional server performance, expandability, and efficiency for storage and I/O-intensive infrastructure workloads.	• Cisco UCS S3260 Storage Servers deliver` 600 terabytes (TB) to petabytes of data storage capacity for enterprise applications.	• Pure Storage FlashArray //M, an all-flash system, offers inline deduplication and compression for significant space savings without compromising application performance.	• Commvault Data Platform provides unified, automated data protection with a single, complete view of all enterprise data wherever it resides, whether on premises or in the cloud.

Integrating FlashStack infrastructure and Commvault Data Platform helps you meet stringent service-level agreements (SLAs) while reducing hardware and software costs, mitigating deployment risk, and reducing complexity.

FOR MORE INFORMATION

- Read the Cisco Validated Design, *FlashStack Virtual Server Infrastructure with Commvault Software for Data Protection.*
- Learn about *Commvault data management solutions.*

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