Solution brief



Modernize virtualization without compromising resilience

Protect every HPE Morpheus Software workload with Commvault

The challenge: Transforming virtualization and data resilience

Many organizations are rethinking their virtualization strategies as licensing changes, cost pressures, emerging technologies, and AI workloads drive the need for more open, flexible platforms. This creates an opportunity to modernize, but also raises the stakes for data protection as businesses seek greater flexibility without adding complexity or risk.

At the same time, applications increasingly span multiple hypervisors, containers, and private and public clouds. The complexity can create protection gaps, inconsistent policies, and greater operational overhead if data protection does not evolve alongside the virtualization strategy.

IT leaders are facing:



— **Rising licensing and infrastructure costs.** Virtualization licensing and pricing changes are driving up costs and forcing IT teams to rethink platforms and budgets.



— **Faster, smarter threats.** Attackers are using automation and AI to move faster, and shared virtual infrastructure can spread the impact of ransomware or malware across many virtual machines (VMs) at once.



— **Increased hybrid complexity.** Workloads now span multiple hypervisors, containers, and private and public clouds, each with its own tools and policies.



— **Modernization without gaps.** Migrating workloads to a new platform can't leave VMs unprotected or recovery untested along the way.



— **Zero tolerance for downtime.** Data loss and outages hit revenue, customer trust and compliance, and AI initiatives depend on clean, available data.

To modernize with confidence, organizations need a virtualization platform that provides choice and flexibility and data protection that remains consistent at every stage of the journey.

The solution: HPE Morpheus Software and Commvault

HPE Morpheus Software unifies hybrid cloud operations through a governed control plane that streamlines provisioning and automation across VMs, containers, and clouds. The HVM hypervisor, included in all three HPE Morpheus Software versions (VM essentials, advanced, and enterprise) paired with Commvault's policy-driven backup and recovery, delivers choice, efficiency, and control while simplifying management, reducing risk, and keeping workloads resilient wherever they run.

As shown in Figure 1, Commvault protects HVM virtual machines deployed on any HPE infrastructure, including HPE Private Cloud PC3000 based on HPE Alletra Storage MP B10000 or HPE SimpliVity PC1000.

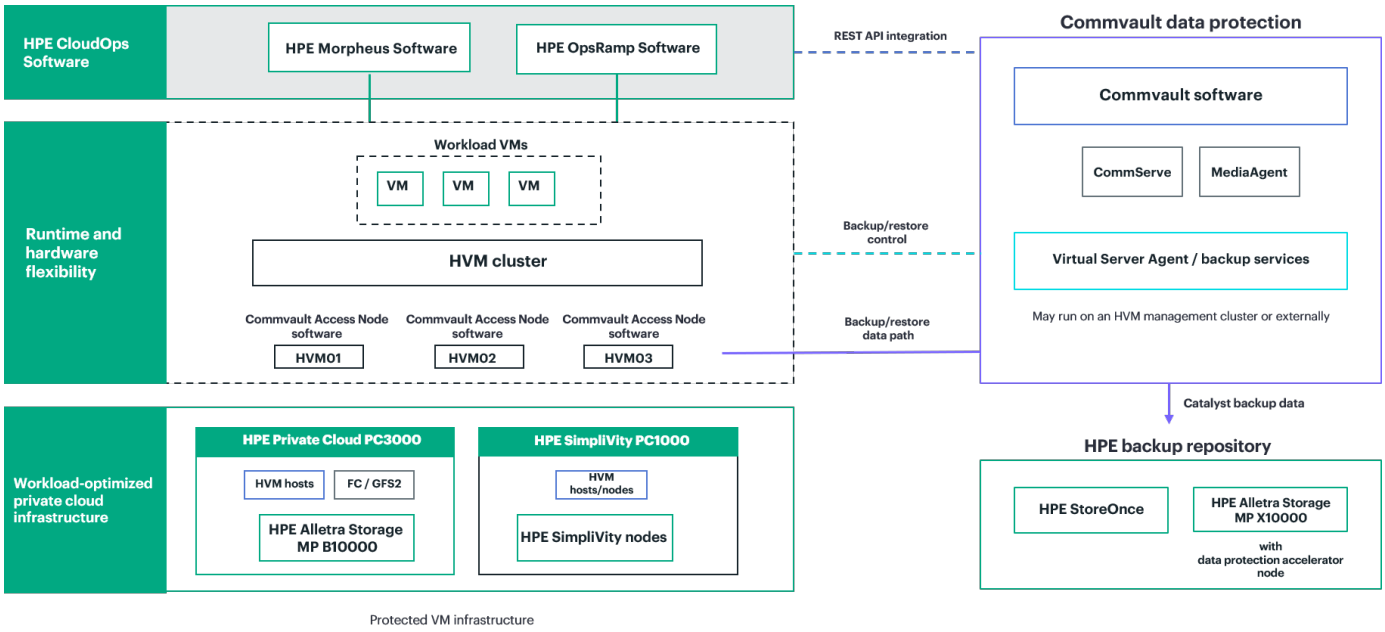


Figure 1. Protection of HPE Morpheus VMs with Commvault

As organizations modernize, HPE Morpheus provides unified management for HVM hypervisor and VMware vSphere® environments, with capabilities such as high availability, live VM and storage migration, lifecycle management, REST APIs, self-service provisioning, and policy-based automation. Commvault's protection and recovery remain consistent as customers migrate gradually, adopt Kubernetes and software-defined networking, or expand hybrid cloud automation—without replatforming backup or creating new protection gaps.

Together, HPE and Commvault help organizations:

— Reduce virtualization cost and vendor lock-in without adding risk

— Protect every VM automatically, from the moment it's created

— Recover quickly and cleanly from ransomware, outages, or human error

— Scale from a single cluster to multisite, multitenant hybrid cloud



Key capabilities: Resilience for HPE Morpheus environments

The graphic below highlights the Commvault capabilities that help protect, recover, and manage HVM environments with greater efficiency, flexibility, and cyber resilience.

Protect efficiently

Agentless protection
Protect HVM VMs with image-based backups and no in-guest agents.

Flexible backup options
Support full, incremental, and policy-aligned backup approaches across deployment needs.

Automated protection
Assign protection policies when VMs are provisioned so workloads are protected from day zero.

Recover and adapt rapidly

File-level recovery
Restore individual files quickly without recovering an entire VM.

VM conversion
Convert protected VMs across supported hypervisors to support migration and modernization.

Replication and failover
Replicate workloads and orchestrate failover to maintain continuity during disruption.

Cyber recovery
Recover clean, trusted data after ransomware, infrastructure failure, or human error.

Operate consistently at scale

Multihypervisor protection
Apply consistent protection across HVM and VMware® environments from one approach.

Multitenancy
Securely separate administration, policies, and data for business units, sites, or service tenants.

Policy-based management
Standardize protection and recovery through centrally managed, automated policies.

Key benefits

Recover confidently from disruption
Secure backup copies, threat detection, and rapid, clean recovery help organizations restore trusted data following ransomware, infrastructure failure, or human error.

Modernize at your own pace
Choose the HPE Morpheus Software variant that fits: the HPE Morpheus Software – VM essentials variant for cost-efficient virtualization, the HPE Morpheus Software – advanced variant to add Kubernetes and software-defined networking, or the HPE Morpheus Software – enterprise variant for full hybrid cloud operations. Commvault protection is consistent across all three, with no replatforming of backup.

Protect automatically from day zero
Automatically assign Commvault backup plans to new VMs as they are provisioned through the HPE Morpheus service catalog, helping ensure protection from day zero.

Simplify protection across hybrid environments
Manage multihypervisor, multisite, and multitenant environments through a unified interface while Commvault automatically applies consistent, policy-driven protection. Recover precisely what is needed—from a single file or database to a full VM—to accelerate recovery and reduce disruption.

Improve virtualization economics
Reduce vendor lock-in with flexible hypervisor support and efficient use of compute and storage. Together, HPE and Commvault deliver a resilient, automated architecture that scales protection with business needs and provides a flexible foundation for hybrid cloud—without overbuilding.

Modernize virtualization without compromising protection

Rethinking virtualization should not mean rethinking data protection at every step. HPE Morpheus Software gives organizations greater choice and control over how they manage and modernize virtual environments while Commvault provides consistent protection and recovery as workloads evolve.

Together, HPE Morpheus Software and Commvault combine unified management and flexible deployment with agentless, image-based backup and recovery. The integrated solution helps organizations reduce virtualization cost and complexity, maintain resilient operations as workloads evolve, and build a scalable foundation for hybrid cloud—without creating new protection gaps.

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