



Simplify your data protection with HPE StoreOnce and Commvault Cloud

Data protection challenges in hybrid environments



In today's hybrid, AI driven world, data protection is no longer just about backup—it's about cyber survival. As ransomware increasingly targets backup environments—not just production systems—organizations are discovering a hard truth: if recovery fails, paying the ransom becomes the only option. With nearly two thirds of businesses impacted globally, backup infrastructure is now a primary attack surface, not a safety net.

At the same time, data volumes are accelerating as new workloads emerge—software as a service (SaaS), cloud native, AI, and analytics—and data now lives everywhere across devices, edge, data centers, and cloud. This sprawl increases operational complexity and makes consistent protection and recovery harder to maintain.

Legacy backup approaches weren't built for this reality. Many were designed primarily to store data efficiently for routine failures—not to withstand deliberate, targeted attacks against the backup layer or to scale smoothly across highly distributed hybrid environments.

Businesses need data protection that is secure, cyber resilient, and built for scale—designed to recover cleanly from attacks, meet strict service-level agreements (SLAs), and grow with hybrid environments.

A modern data protection strategy must span every workload and every location—from edge to cloud—while enforcing consistent security and recovery policies. With the right approach, organizations can:

- Anticipate cyber threats and operational disruptions
- Reduce human error through automation
- Recover from infrastructure failures at any scale
- Balance performance, cost, and compliance requirements

Modern, comprehensive data protection requires a multilayered, zero trust approach. HPE delivers on three core attributes which are directly driven by our customer requirements and their current and anticipated data protection needs:



1. Cyber resilience

Given the unfortunate threat environment and severe consequences of those threats, cyber resilience is fundamental. It cannot be addressed as an afterthought or point product. At HPE, it is a pervasive set of capabilities permeating our holistic approach.



2. High performance

Speed is essential in modern data protection. While this may not be the first thing that comes to mind in association with data protection, operational agility and velocity increasingly demands it.



3. Integrated ecosystem

Our holistic approach brings together best-in-class technologies—our own and those of strategic software partners. This forms a tightly integrated suite of data protection capabilities, tailorable to your needs. Beyond these partnerships, we also interoperate with a wide range of data protection independent software vendors to allow for choice.

The integration between HPE StoreOnce and Commvault Cloud is a key example of how this partnership meets customer data protection challenges within this framework. This solution delivers a purpose-built, high-performance, cyber resilient solution that enables fast, clean recovery from any attack while industry-leading deduplication significantly reduces storage requirements.



HPE StoreOnce Systems and Commvault Cloud

HPE StoreOnce Systems is designed to provide optimized storage for recovery and data protection in enterprise, mid-sized environments, and small and remote offices. It enhances cyber resilience through the integration of cutting-edge security capabilities.

The inbuilt data reduction technology, achieving ratios of up to [60:1](#), allows users to significantly lower the cost of protecting, managing, and accessing data across hybrid cloud environments. HPE StoreOnce enables rapid backup and recovery, integrates seamlessly with backup applications, and supports cloud connectivity for hybrid data protection strategies. This powerful combination of cyber resilience, operational efficiency, and broad compatibility reinforces HPE StoreOnce as a trusted ally for safeguarding business-critical information and offering rapid recovery in the event of cyber incidents.

Commvault Cloud is a unified, SaaS-based data protection platform providing comprehensive cyber resilience for hybrid, cloud-native, and SaaS workloads. It offers a single pane of glass for backup, recovery, and security, featuring air-gapped, immutable storage, AI-driven insights, and rapid ransomware recovery. Key capabilities include unified security and recovery, comprehensive protection of databases, virtual machines (VMs), containers, and SaaS apps, AI-powered automated management, zero trust architecture protecting, detecting, and mitigating threats with hardened, isolated copies, and cloud-native flexibility that offers scalable, hybrid cloud solutions that reduce storage costs and simplify management.

Together, HPE StoreOnce and Commvault Cloud deliver an integrated data protection solution for hybrid environments that brings optimized backup storage and unified cyber resilience into one consistent experience. Integrated capabilities:

- High performance: It is built for faster and safer recovery with Gen5 performance that supports demanding recovery point objectives (RPOs) and recovery time objectives (RTOs)—[including up to 5x better RPOs and up to 3.5x faster RTOs](#) on the all flash HPE StoreOnce 7700, helping reduce downtime.
- Foundational security: The joint solution delivers encryption in transit and at rest, configurable immutability, dual authorization, and air gapped protection with HPE StoreOnce Cloud Bank Storage or HPE Storage Tape. Independent software vendor (ISV) controlled immutability supports WORM retention timers and dual admin approval on the appliance to help protect against ransomware driven deletion or encryption attempts.
- Support for new workloads: All flash HPE StoreOnce 7700 performance supports cyber forensics and test dev and analytics, so protected data can be used beyond recovery.
- Network and cost optimized: Intelligent deduplication reduces your backup costs and footprint with 60:1 data reduction, reduces network bandwidth costs, boost performance and enables retaining more data with predictable cost at cloud scale.
- Fast, clean recovery: Built-in threat detection, security ecosystem integrations and clean recovery options help businesses confidently recover in the face of attacks. Leveraging Commvault IntelliSnap technology alongside the native HPE Alletra Storage MP B10000 snapshot engine delivers consistent point-in-time recovery copies for critical enterprise applications.
- Scalable, flexible architecture from edge to data center: Gen5 systems scale from 18 TB to 576 TB usable locally depending on model and form factor, supporting environments from remote sites to enterprise. The portfolio includes HPE StoreOnce 3720, HPE StoreOnce 3760, HPE StoreOnce 5720, and all flash HPE StoreOnce 7700 options to match capacity and performance needs across locations.
- For larger configurations, Gen5 systems are designed to reduce data center footprint and power consumption by using a single chassis design rather than additional expansion enclosures.
- Simplified protection: Simplify data protection from core to edge to cloud with multisystem and multisite visibility and management from a single pane of glass.

Why HPE and Commvault together

HPE and Commvault co-engineered solutions include technical integration developed collaboratively with a joint support model that delivers a unified escalation path for faster issue resolution. The continuous innovation for new integrated capabilities is proven at scale with thousands of joint customer deployments worldwide, leading to recognized industry leadership.

Solutions delivered by HPE and Commvault provide:

- True cyber resilience with multilayered defense beyond basic backup
- Comprehensive protection of any workload, any cloud, any location
- Best-in-class deduplication where HPE StoreOnce consistently delivers industry-leading ratios
- Operational simplicity with unified management
- Flexible consumption offerings such as traditional purchase, GreenLake, or SaaS options
- No vendor lock-in with an open architecture that supports multivendor environments

Summary

Together, HPE StoreOnce and Commvault Cloud modernize hybrid data protection by combining cyber resilience, performance, and simplicity in a single, integrated solution. Customers gain faster, cleaner recovery, lower storage costs, and greater control over data—without locking into a single vendor. The result is resilient operations, reduced downtime, and confidence in the face of growing cyber threats.

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