

KEY DATA PROTECTION ENTERPRISE REQUIREMENTS



Commvault and HPE are well known leaders in the IT industry and share thousands of customers and partners around the world. The companies have enjoyed a long-standing partnership based on technology integration between server, storage, and software components. This relationship now extends to a reseller agreement that allows HPE and its channel partners to offer HPE solutions with Commvault Complete Backup & Recovery software.

Specific Capabilities and Why they Matter



Broad enterprise application support

Enterprises rely heavily on mission-critical applications to support generating revenue. They seek to achieve the lowest possible downtime (low RTO) and minimal to no data loss (low RPO). The data protection infrastructure must be *deeply integrated* with most, if not all, of these applications to provide a coherent and consistent service level.



Advanced and broad storage snapshot support across arrays and hosts

Snapshot technology, whether on the host or storage system, offers the convenience of speed and performance, enables more frequent recovery points and lower bandwidth utilization, and is a key requirement in the enterprise. The data protection solution must support a *wide variety of storage systems and hosts in order to deliver consistent and complete capabilities*.



Advanced cloud support (storage and optimized recovery)

Cloud has become critical to the data protection infrastructure of most enterprises and offers great capabilities and challenges in terms of support. To qualify as an enterprise solution, vendors need to provide advanced tiered storage capabilities, multiple recovery or failover options, and economic/cost optimization. It is critical to offer a *broad array of cloud storage options and integrations*.



Broad OS and hypervisor support

An enterprise, unless it is a very “young” organization (less than 10 years in business), will likely have multiple server platforms (physical and virtual) and technology layers in its infrastructure, including “legacy” systems. An ideal solution for enterprises covers *all of these platforms or a large majority*. Multiplying specialized backup and recovery solutions can lead to more complexity, operational inefficiencies, and cost.



Source and target deduplication and replication

Data takes up space, and space (storage) is money! For backup and recovery in the enterprise, it is critical to optimize storage consumption with deduplication. Offering multiple deduplication options is necessary (source or target) since topologies may vary. The endgame is to build *proven data reduction efficiencies* into the workflow and optimize costs and performance.



Advanced orchestration, including AI and ML

Enterprises' stringent RPOs and RTOs require a solution that can help support or create a disaster recovery “runbook,” orchestrating the recovery workflow of multiple systems and intertwined applications in an exact sequence. In addition, enterprises now expect more “intelligence” from their data protection solutions with artificial intelligence- and machine learning-based predictive actions or recommendations to better deliver RPOs and RTOs based on a variety of infrastructure conditions and historical patterns.



Archiving capabilities

The ability to archive data is absolutely critical to ensure compliance with the many complex regulations enterprises face. This applies to all the data in the environment and implies advanced management capabilities to move data at the right time to the right tier of archive/storage (which may be in the cloud). Keeping track of archive data is also a key requirement.



Single console management

The advent of IT generalists across all market segments including the enterprise, combined with the lack of IT skills sets in data protection, have fostered the simplification of many solutions to the point where it is now imperative to manage data protection from one console. This means using modern ease of use and management consolidation capabilities (including ecosystem integrations).



Appliance delivery options

The appliance form factor—converging hardware, software, and networking—is often preferred in decentralized topologies for reasons associated with ease of purchase, use, and deployment, especially in large data centers. Enterprises expect scale-out capabilities and flexible offerings with delivery modality options ranging from reference architectures to virtual appliances and physical models.



Advanced tape support

Tape is not dead! It is still heavily used in many enterprise environments for backup and archiving. *Enterprise tape support means advanced automation and tape library capabilities, and not just format support*.

Commvault and HPE Partnership

Commvault is part of Hewlett Packard Enterprise (HPE) Complete, a worldwide reseller program that provides customers one-stop shopping for tested and validated HPE and Commvault end-to-end solutions. Commvault and HPE also collaborate on the HPE GreenLake Backup offering, an on-premises solution that provides a public cloud experience with a service for consumption-based backup. The partnership also extends to the HPE ProLiant line and Microsoft, with comprehensive data protection and management for Microsoft Azure Stack, including virtual machine (VM) protection using “replication” for disaster recovery, backup and recovery of Azure Stack blob store, and migration of VMs from external hypervisors to Azure Stack.