

Commvault Flex Appliance

TECHNICAL SPECIFICATIONS

Commvault Flex Appliance is a validated, turnkey solution designed for data-intensive, petabyte-scale environments. By independently expanding compute and external object storage, organizations can align infrastructure with evolving capacity, performance, and recovery requirements while maintaining consistent operational experience. Built on VaultOS™, Flex Appliance provides a hardened foundation for cyber resilience and simplified lifecycle management.

Each Flex node consolidates the core Commvault roles – MediaAgent, Access Node, Threat Analysis, and Storage Accelerator – on certified Dell, HPE, or Lenovo servers running VaultOS. Backup data is written to certified external S3 object storage, so compute and capacity scale independently with immutable protection.

Because the solution is validated and supported end-to-end by Commvault, you'll save time in hardware acquisition, installation and integration, daily management, and patching. Plus, you'll enjoy single-call support for software, server, and certified storage infrastructure.

Starting with a minimum of two nodes for resiliency, Flex Appliance scales from 500 TB to multiple petabytes, with each node supporting up to 500 TB of backend storage. Direct-to-S3, proxy, and hybrid data paths let you align the design with your network topology and security zones.

Flex Appliance delivers Commvault's industry-leading technology on a disaggregated, high-performance architecture built for large datasets, AI workloads, and enterprise-scale cyber resilience.

Commvault Flex Appliance technical specifications

	1U Flex node (default)	2U Flex node
Dell Flex node	Dell PowerEdge R660	Dell PowerEdge R760
Lenovo Flex node	Commvault-certified Lenovo server	
Compute	32 cores (2 x Intel Xeon Silver)	
Memory	256 GB	
Boot storage	2 x 480 GB SSD/NVMe	
NVMe cache (DDB/index)	15.36 TB NVMe	
Backend storage capacity ¹	Up to 500 TB per node; scales from 500 TB to multiple petabytes	
Minimum configuration ²	2 Flex nodes; scale out by adding nodes	
PCIe expansion	Default configuration	Additional PCIe slots for expansion cards

¹ Backend capacity is provided by certified external S3 object storage; Flex nodes do not store backup data internally.

² A minimum of two nodes is required to create the initial storage pool, ensuring redundancy.

Commvault Flex Appliance technical specifications		
	1U Flex node (default)	2U Flex node
On-board network connectivity	Dell – 4 x 100GbE Ethernet QSFP56 HPE – 4 x 100GbE Ethernet QSFP28 Ports can run at 25GbE with breakout cables (not included)	
Network transceivers and add-in cards	Available at time of purchase	
Network fabric	100GbE (default); 25GbE optional	
Operating environment	VaultOS – Commvault’s hardened Linux-based operating system	
Commvault services	MediaAgent, Access Node, Threat Analysis, Storage Accelerator	
Included software packages	File System Core, File System, Virtual Server, Storage Pool, Cloud Apps, Content Extractor, MediaAgent, Storage Accelerator, Threat Analysis	
Certified external S3 object storage	Pure Storage FlashBlade E/S, VAST Data, NetApp StorageGRID, HPE X10000, Hitachi VSP One Object	
Data path modes	Storage Accelerator (direct-to-S3), Proxy (through Flex node), Hybrid (both methods simultaneously)	
Deployment architectures	2-node Flex cluster, scale-out Flex cluster, independent compute/storage scaling	
Dimensions	1 rack unit	2 rack units
Power supply	Dell – 1100W Titanium HPE – 800W Titanium	
Certification	80 PLUS Titanium power supplies; EU Lot 9 compliant	
Warranty coverage	Same or next business day, selected at time of purchase	
Support ³	Single-call support from Commvault	
Management tools	Commvault Command Center™; VaultOS integrated updates and lifecycle management	

³ Single-call support covers Commvault software, Flex node server hardware, and certified external S3 storage infrastructure.

Learn more, visit commvault.com/platform/on-prem/commvault-flex