

Engage better business protection against ransomware

# Commvault® Cloud Air Gap Protect

Ransomware is an unfortunate reality that businesses of all sizes need to plan for today. Without proper ransomware readiness, organizations are less likely to recover quickly and ensure business continuity—experiencing data loss and expensive business downtime in an era when users and businesses require their data to be accessible and available around the clock. In short, data protection offers organizations a lifeline to business continuity and faster recovery from disruptions.

Ransomware protection is a critical part of an organization's end-to-end security strategy—and necessitates capabilities to detect threats and protect critical copies of data from being compromised. Within any company's strategy, data protection is a last line of defense, and the right path to limiting damage from ransomware attacks is to place the data and infrastructure out of the reach of cybercriminals. Adding air-gapped backup storage infrastructure can make all the difference to quick recoverability.

Cloud-based data protection solutions provide a virtual air gap of backups and restore operations. Backup data copies are stored in isolated, immutable locations—preventing data from being tampered with, altered, or deleted. Cloud-based data protection solutions insulate businesses from ransomware attacks that compromise on-prem tools and ensure recovery operations with a clean environment.



**51% of businesses have been impacted by ransomware in the last year.”<sup>1</sup>**

## DISCOVER THE BENEFITS OF MANAGED STORAGE FOR RANSOMWARE PROTECTION

Commvault predicted this growing need for container-based data protection solutions years ago, so the company established support for Docker, Red Hat OpenShift, and proactively started future-proofing customers' IT environments. Commvault also foresaw the unification of storage and data protection needs, which led to complementing their Intelligent Data Management portfolio with differentiated hybrid cloud-native storage for virtualization and containers.



### Risk mitigation

Managed cloud storage is a vital part of an overall security posture that every organization needs. Robust access management, anomaly detection, data encryption, hardened security, and comprehensive user access controls are necessary for a successful defense against cybercriminals.



### Business continuity

The average IT disruptions are one thing, but wholesale data loss is another ball game. Managed cloud storage removes the prospect of an extended business shutdown, reduces the potential for attack success, and narrows the window for recovery for businesses.



### Lower costs

The cost of data protection pales compared to the potential costs of an effective ransomware attack. Costly downtime and lofty payouts threaten to not only halt business operations but can result in permanent customer data loss. Organizations should err on the side of proactive safety and leverage managed cloud storage as a means to secure their valuable data.

## THE AIR GAP PROTECT DIFFERENCE

Commvault Cloud leverages a hardened, multi-layered approach to ransomware readiness, providing robust controls to prevent threats and ensure data is highly available and recoverable from cyberattack. With immutable, air-gapped data copies, advanced anomaly detection, and built-in encryption, Commvault Cloud comprehensively safeguards critical data across apps, endpoints, on-prem, and cloud environments. Built on Microsoft Azure, Commvault Cloud offers industry-leading durability, security, scalability, and performance, capable of protecting business data from today's and tomorrow's cyberthreats. Air Gap Protect is a fully managed cloud storage target, offering ultimate security and scale to let organizations seamlessly adopt cloud storage. Available with Backup and Recovery, as well as with the SaaS hybrid cloud portfolio, Air Gap Protect makes it simple to adopt cloud storage—without a steep learning curve and for air-gapped ransomware protection and optimized costs.

### Top challenges of cloud-based ransomware protection

- Increasing cloud costs with cloud expansion and cloud deployments
- Reliable ransomware protection with a secure, air-gapped, offsite data copy
- Trusted backup and recoverability of an organization's most valuable asset: data

## HIGHLIGHTS OF AIR GAP PROTECT



### Ransomware and risk reduction

- Virtual air-gapped copy of the data with stringent security protection of Azure cloud
- Encryption and access controls within the Commvault environment for powerful added security to ensure recovery from a ransomware attack



### Hybrid cloud adoption

- Beyond a tape library, leverage cloud-based storage and realize the benefits of agile management, limitless scale, and cost savings of cloud
- Easy onramp to cloud for organizations that lack the skills and want to incorporate cloud in their IT strategy



### Capacity growth

- Meet changing capacity needs on the fly with easy access to cloud



### Secondary backup copies

- Support the 3, 2, 1 rule: Three copies of the data, two in different locations, and one off-site



### Effectively manage cloud costs

- Predictable storage costs allow IT to build out long-term forecasting and avoid unexpected bills

## SHORT AND LONG-TERM RETENTION STORAGE OPTIONS

Air Gap Protect Hot and Cool storage tiers provide greater flexibility for cloud storage options. If an organization is looking for a primary backup copy repository, they can use Hot storage, while those seeking a secondary storage option for longer retention can leverage Cool storage. Both storage tiers can be used together for flexibility and an end-to-end storage strategy.



### Hot storage

Fit for short-term retention, typically 30 days or less. Reduce reliance on physical infrastructure or enable cloud-to-cloud backups for quick recovery.



### Cool storage

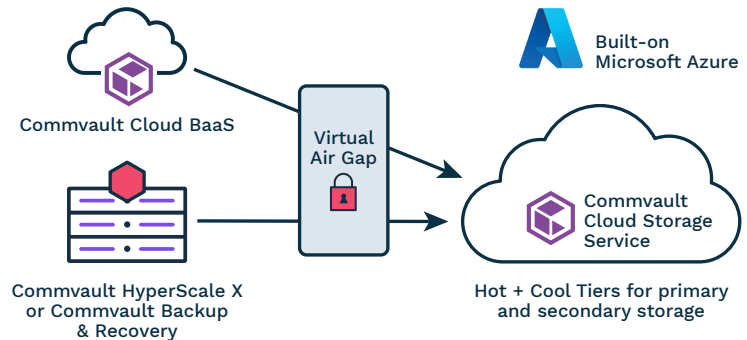
Fit for data retention policies of 30 days or longer. Send secondary copies of backups to secure cloud storage for an agile, modern alternative to tape.

Even though clouds are highly secure, organizations are responsible for data protection—and rapid recovery—of workloads they deploy in the cloud. Whether they choose to recover data to the cloud, from the cloud, between clouds, or within the cloud—Commvault provides this flexibility.

Air Gap Protect makes it simple to adopt cloud storage for backups. Protect against ransomware, optimize costs, reduce risk, and harness the scale of the cloud.

## AIR GAPPED MANAGED CLOUD STORAGE TO GUARD AGAINST RANSOMWARE

- Protect with zero-trust access controls and multi-factor authentication
- Detect ransomware with anomaly monitoring and honey pots
- Recover with isolated, air-gapped, immutable copies



## CLOUD STORAGE FOR COMMVAULT SOFTWARE AND HYPERSCALE X

In addition to use with Air Gap Protect, lets customers seamlessly adopt cloud storage for Backup & Recovery and HyperScale X—with just a few clicks. Flexible primary and secondary backup options allow for any combination of Hot and Cool tiers to replace or augment on-premises backup storage.

1 State of Ransomware report, Sophos, 2020

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