



SOLUTION BRIEF

COMMVAULT 

The Power of Air Gap

Enhance your data protection and security
with isolated, immutable storage

Is there a gap in your data protection and recovery strategy? There should be. Air gapping is the isolation and segmentation of secondary or tertiary backup copies from source environments – making them inaccessible from the connected corporate network. Combined with immutable storage and rapid restore/recovery capabilities, air gapping is a must-have to keep your backup data safe from increasingly frequent and sophisticated cyberthreats.

Preventing, responding to, and recovering from an attack has become a critical focal point within the organizational landscape. As cybersecurity risks evolve, data estates grow, and IT resources shrink, organizations need a proactive way of defending data and securing distributed endpoints, software, and network connections. That's where air gapping comes in.

AIR GAPPING TO MAINTAIN SECURITY AND BUSINESS CONTINUITY

When combined with security controls such as immutability and multifactor and multiperson authentication, air gapping adds a highly effective layer of security and allows you to recover clean, uncompromised backup data in the event of a cyberattack. If the corporate network becomes infected, air-gapped backup copies will remain isolated, untouched, and available for restoration.

And by storing backup data in an immutable format, on a storage infrastructure physically inaccessible from an external connection, you restrict access and drastically limit the potential for infection. While air gapping isolates data in a separate security domain, immutability ensures that copies are locked down and cannot be encrypted, modified, or deleted by an attacker. This approach provides you with a clean, uninfected copy from which you can restore your production environment and minimize business disruption. For a more flexible recovery, any offsite copies may be recovered to alternative sites if your original environment is unavailable or compromised.

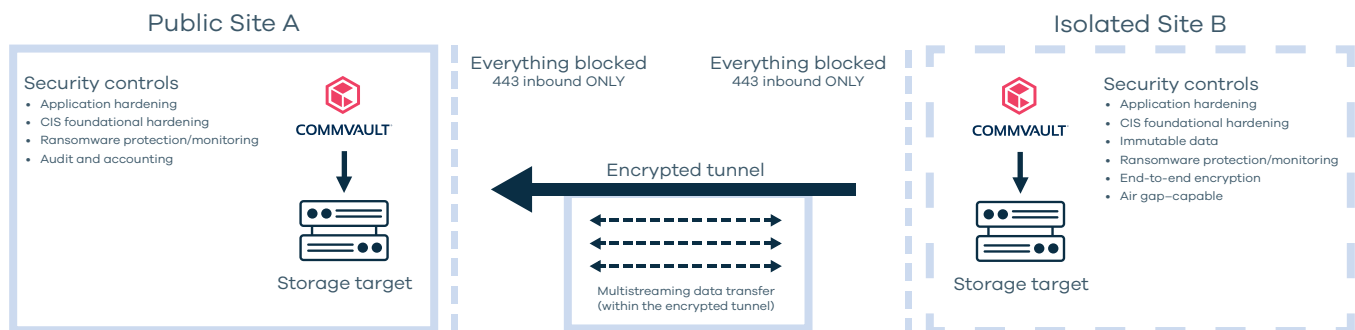


Figure 1 - Data isolation using direct connections

EASILY AIR-GAP TO THE CLOUD

Commvault's data protection solutions deliver layered security that safeguards data by default – and simplifies cloud migration with native app integration. Using Metallic[®] Recovery Reserve™, you can easily house data in a secure, air-gapped cloud storage target. This minimizes IT complexities and allows you to easily store, isolate, and protect data while providing the foundation for predictable costs and reduced overhead. It's the easy button for adopting secure and scalable cloud storage in minutes – catering to your organization's cloud strategy without requiring additional cloud expertise.

AIR-GAP WITH IMMUTABLE ARCHITECTURE

Need a secondary storage target on prem? While [Metallic® Recovery Reserve™](#) secures data in the cloud, [Commvault HyperScale™ X](#) makes it easy to implement an immutable architecture as an integrated appliance or reference design for an all-in-one solution. Businesses can even use both solutions in tandem to accelerate cloud adoption while keeping data close to the source for rapid recoverability. Here are two common approaches:

- **Start on prem and extend to the cloud.** In this scenario, Commvault HyperScale X lets you protect on-premises workloads and manage your infrastructure, then extend to the cloud with an assist from Metallic® Recovery Reserve™ – for secondary/air-gapped copies of data.
- **Start with SaaS and use HyperScale X as edge storage.** This approach gives you the simplicity of software-as-a-service data protection via [Metallic® SaaS Backup](#), and local air-gapped copies for faster recovery and lower costs.

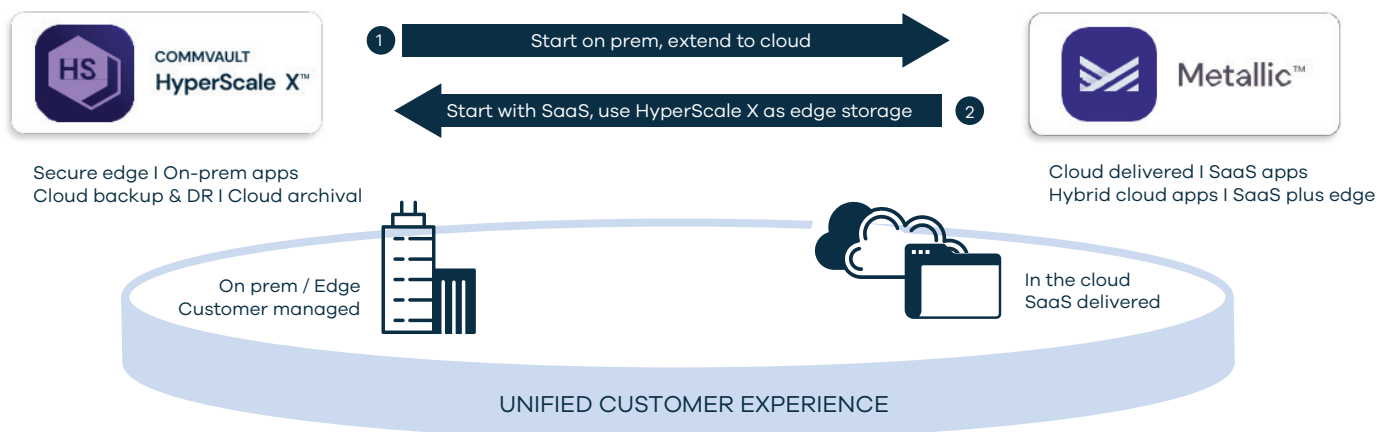


Figure 2 - Protecting on-prem workloads and extending immutable architecture to the cloud using an integrated Commvault–Metallic solution

Consider coupling your data protection with [Commvault Complete Data Protection](#) or [Metallic SaaS Backup](#) for a holistic recovery solution. Whichever implementation you select, our powerful data protection, backup, and recovery software offers:

- Simple, scalable, and comprehensive backup
- Seamless Data replication
- Disaster recovery orchestration for all your workloads

Learn more about [Metallic® Recovery Reserve™](#) > and [Commvault HyperScale™ X](#) >