

IBM Storage Defender Data Protect Vault

Isolate your backup data from Cyber Attacks
and Recover faster with your choice of an on-
prem or an off-site Vault



Highlights

Air-gapped Vault: physical, network, and management isolation of a backup copy

Choice of IBM Managed SaaS Vault or a Self-Managed Vault on-premises or in the Cloud

Balance cost and performance in your Cloud Vault with warm and cold storage tiers

Fast RTO SLAs with quick recovery for on-prem vaults

IBM Storage Defender provides end-to-end data resilience with governance, early threat detection, and rapid recovery across the primary and secondary storage estate. IBM Storage Defender Data Protect Vault adds a layer of resilience that allows IBM Storage Defender Data Protect customers to store immutable **backup copies** in a secure vault, either on-prem or in the cloud. Data Protect Vault offers flexibility to customers, allowing them to manage vault infrastructure themselves on-prem, in the cloud, or have IBM manage it as a turnkey SaaS service.

Balancing Performance with Flexibility:

IBM Storage Defender Data Protect Vault Service: A fully managed SaaS solution managed by IBM, ideal for organizations seeking rapid deployment, minimal operational overhead, and expert management

Customer Managed On-Premises Data Protect Vault: A customer-managed solution deployed within an organization's data centers, ideal for businesses with strict data sovereignty requirements, enhanced compliance needs, or specialized security protocols

IBM Cloud Cyber Vault for Defender Data Protect: The ability to leverage both deployment models simultaneously for different workloads or geographic regions – a capability unique to IBM's solution

IBM Data Protect Vault Capabilities

Isolated Vault

- Store an immutable copy of data in an on-premises, IBM-managed, or self-managed cloud vault
- Data Protect Vault provides you with virtually air-gapped data copy with physical, management, and network isolation

Controlled Access

- IBM Data Protect Vault implements an additional layer of RBAC, MFA, and Quorum controlled recovery to secure the Vault
- Immutable WORM lock policies prevent unauthorized data modification or deletion, while quorum rules require multiple authorized personnel to approve any critical actions
- These layered security measures protect against both internal and external threats for greater confidence

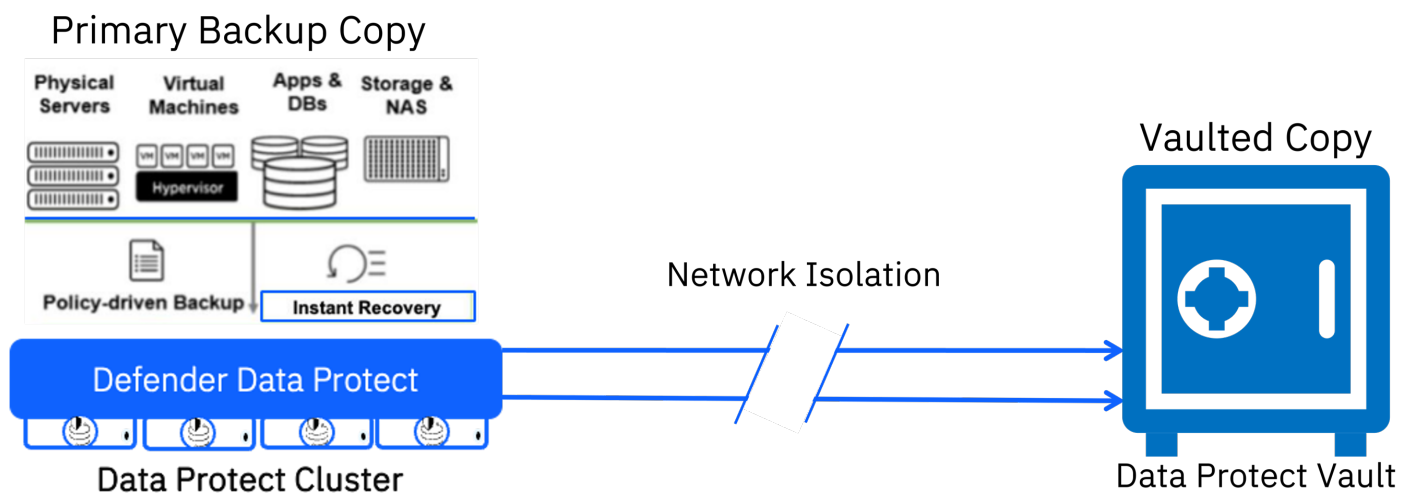


Figure 1. Backup Vault Concepts

Balancing Cost and Performance

- Data Protect Vault On-Prem: Self-managed with greater control over data residency and latency; best when RTO is a priority and organizations want greater control over data, security, and vendor lock-in
- Data Protect Vault SaaS: Warm and Cold storage options provide a balance of recovery performance and cost
 - Cold Storage: Recovery can take up to 4 hours after initiation, depending on the size of the data, with recovery of full objects back to the source or an alternate location
 - Warm Storage: Recovery begins immediately upon initiation and allows granular recovery back to the source or an alternate location

Flexible Recovery

- IBM Data Protect Vault offers flexible recovery options through both warm and cold storage tiers to meet various RTO requirements
- Rapid, granular recovery means time isn't wasted by having to restore full volumes but only what you need
- Data can be recovered back to the source or an alternate location, including onsite, to a public cloud, or an edge location

Deployment Options for IBM Data Protect Vault

Data Protect Vault offers flexibility to customers, allowing them to manage vault infrastructure themselves on-prem, in the cloud or have IBM manage for them as a turnkey SaaS service



Data Protect Vault Service	Data Protect Vault IBM Cloud	Data Protect Vault On-Prem
<ul style="list-style-type: none"> • Offsite copy in the Cloud (AWS) • IBM Fully Managed Service • Multiple Geographic regions available • Data stored in AWS Cloud • License metric: TB Vaulted 	<ul style="list-style-type: none"> • Offsite copy in IBM Cloud • Self Managed • Global availability via IBM Cloud subscription (usage based) • Data stored in IBM Cloud • Full control plane isolation 	<ul style="list-style-type: none"> • On-premises • Self Managed • Data stored on-prem on Data Protect cluster • Full control plane isolation • RTO speed is a priority • License metric: TB Vaulted

Conclusion

IBM Data Protect Vault transforms cyber resilience from a complex operational burden into a simple, automated service that balances security with business agility requirements.

With the addition of Data Protect Vault to the IBM Storage Defender data protection portfolio, IBM provides enterprises with a comprehensive solution that secures data throughout its lifecycle, from production environments, primary storage, to long-term retention. This multi-layered approach significantly reduces the risk and potential impact of increasingly sophisticated cyber-attacks.

IBM Data Protect Vault leverages IBM's decades of enterprise data protection expertise and global cloud infrastructure to deliver proven cyber resilience at scale. As part of the IBM Storage Defender portfolio, it integrates seamlessly with IBM Storage and resiliency products to provide a comprehensive solution that comes with support and maintenance.

For more information

To learn more about IBM Data Protect Vault, contact your IBM representative or IBM Business Partner, or visit ibm.com/products/storage-defender/components

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