BrickStor SP ImmutaVault™

Cyber Vaulting for guaranteed security, optimized workflow, and uncompromised validation

RackTop BrickStor's ImmutaVault feature is a secure virtual air gap that provides guaranteed isolation and immutability for critical production data as well as real-time active defense against cyber threats. With RackTop's patented technology, your organization's data is safeguarded with protections that are like a physical air gap but without the need to physically disconnect network cables to maintain security. ImmutaVault reduces your threat window by optimizing your workflow with faster and more frequent data transfers, eliminating the risk or compromise that comes with a traditionally connected system. Vaults are protected from rogue admins through RackTop's unique data ownership and privilege management scheme, and compliance is simple with one-click data integrity checking, cryptographic validation of vault contents, and source system chain of custody. RackTop's ImmuaVault is a quick and easy step to guaranteeing data availability in the event of a cyber attack.

Features

Active Air Gap

Strong isolation and immutability ensure data is only accessible when exposed through a view that is managed by the assigned vault owner(s).

Policy Driven

Each vault implements its own policy which dictates the data owner (who can view and share vaulted data), as well as the retention and protection settings required to meet any type of regulatory or security compliance requirement.

Protection from Privileged User Abuse

Vaults are protected from admin or operator abuse (insider threat, misuse of privilege to view data) and accidental or early destruction. The isolation system ensures vaulted data is only accessible to its owners.

Data Attestation

Data stored in a vault can be cryptographically verified, without being exposed to a user or auditor, to ensure the data integrity from the time of ingest into the vault up to any point in the future.

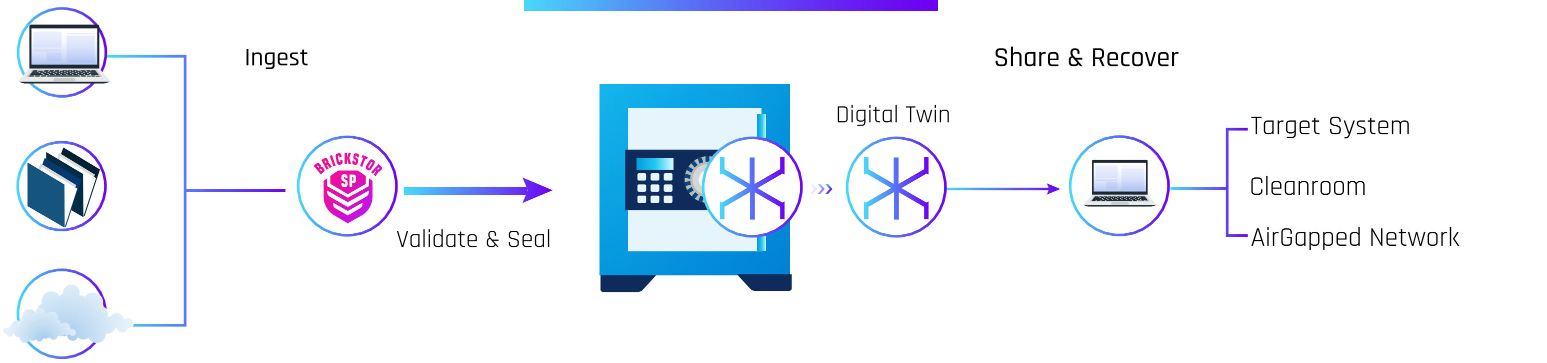
Secure View and Digital Twins

Once a vault is sealed, the only way to access its contents is through a view via RackTop's digital twin technology. Data owners can instantly "twin" an existing vault and share it over common network protocols like NFS and SMB to a targeted set of users, groups, or systems. The original vault data is never accessed. Only the digital twin, which is an instant zero-copy clone of the vault's data, is available to be accessed. Vault views are governed by policy as well, so vaulted data can be exposed for any length desired and only to users, hosts, and networks associated with that twin's view.

Chain of Custody

Data provenance through user behavior activity auditing and the vault's cryptographic manifest provide a complete chain of custody for data through ingest, disposition, and destruction.

How ImmutaVault Works


Ingest
BRICKSTOR SP
Validate & Seal
Digital Twin
Share & Recover
Target System
Cleanroom
AirGapped Network