restorVault

Compliant Cloud Archive

Recover **10x faster from ransomware with restorVault** than local backups

Protect Your High Value Data

Over 80% of data on primary and cloud storage is unstructured and inactive for 1 year or longer[1].

- Reduce server storage usage by >80% with restorVault's patent-pending Compliant Cloud Archive
- Store remaining active data on smaller-capacity, higher-performing primary storage
- Backup infrastructure requirements and CapEx are reduced with restorVault's Virtual Data Files
- Disaster or ransomware recovery in minutes vs. days/weeks with restorVault's Virtual Data Recovery
- restorVault's Write Once Read Many (WORM) storage is key to California Trusted System compliance

1 According to a study by International Data Corporation, an estimated 80% of data on primary and cloud storage is unstructured file data. The same study also estimates that 80-90% of unstructured data has not been accessed in over 1 year.

Regulatory Compliance and Risk Mitigation

restorVault is ideal for organizations that must comply with regulatory requirements across major industries, including Healthcare (HIPAA), Financial Services (GLBA, Sarbanes-Oxley, SEC 17A-4, PCI DSS), and Legal (FRCP, CJIS).

restorVault exceeds the strictest regulatory requirements for data integrity, protection, privacy, security, longevity and availability with full audit trails. Additionally, our automated process makes it easy for organizations to adhere to internal guidelines for data retention and risk mitigation.

(continued on reverse)

Storage Optimization via Virtual Cloud Storage

More Space

Inactive but valuable data can easily overrun costly Tier-1 or cloud storage. **restorVault's Compliant Cloud Archive**, a more cost-effective solution, can take on this data without any disruption to ongoing operations.

More Protection

In addition to freeing up space on primary or cloud storage for active data, data on restorVault is automatically protected from Day 1. This protection eliminates the need for repeated backups, dramatically reducing the size, time, and cost of the incremental or full backup process.

Instant Availability

The space on primary or cloud storage can be freed up immediately once data is protected by restorVault. Our policy-based data virtualization solution means data can also be left on primary or cloud storage for periods of high access then replaced with Virtual Data Files after a set time of inactivity.

Multi-Cloud Flexibility

restorVault's Compliant Cloud Archive can automatically virtualize cloud data from public cloud server storage as well – You can still access ALL data files from AWS, Azure, and Windows servers for cloud data portability without cloud vendor lock-in.

Remote Office Data Backup & Recovery

It can be particularly challenging to meet compliance guidelines for data that resides in remote or branch offices. restorVault eliminates the need for local backup and offsite replication. With the restorVault Agent installed on a branch office server, backup of select directories and files to the **restorVault Compliant Cloud Archive** is enabled. In the event of a disaster or ransomware attack on remote office data, access can be restored in minutes to the remote office or in the cloud to minimize downtime and get your business back up fast!

Data Integrity Assured

- Fingerprints – Each time a file is saved, a unique fingerprint is generated using both an MD5 and SHA1 hash of its contents and metadata, so history and contents cannot be altered after the fact (WORM storage)
- Serial Numbers – Each file is assigned a serial number to ensure no files are missing or tampered
- Secure Time – System time clock is secured by using a global, redundant, authenticated time source (Stratum Level I hardware time sources)
- Data Verification –Files are continually verified against their fingerprints, repaired using their copies, and safeguarded by RAID disk arrays for as long as needed
- Two Copies – Each file and its fingerprint are stored twice in restorVault Virtual Cloud Storage. The second copy can be stored in a separate or the same RAID disk set
- Remote Replication – Two active restorVault systems can continuously replicate to each other to protect against a site failure

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