Cloudian backup target provides ransomware protection, scale-out growth and trouble-free Veeam integration

Ransomware Threat Creates Business Opportunity

Service providers can now build new revenue streams with ransomware protection as a service. The opportunity to provide offerings that protect customer data from malicious attacks has never been greater. Cloudian and Veeam now make a ransomware protection service easy to manage and profitable to deliver.

Ransomware strikes a business every 14 seconds. Traditional malware defenses often prove ineffective as ransomware works by encrypting the user's data, rendering the source data and backup data useless. Business impacts can include interrupted operations, loss of revenue, impact to reputation, and of course ransom payment.

Solution

Cloudian HyperStore and Veeam Availability Suite v10 now offer built-in ransomware protection. The solution includes S3 Object Lock, a feature that protects data at the storage system level. With Object Lock, data cannot be deleted or changed for a set period of time. Because it cannot be changed, ransomware cannot encrypt it. Data is protected and ransomware is kept out.

Backup

Cloudian Object Storage with Object Lock
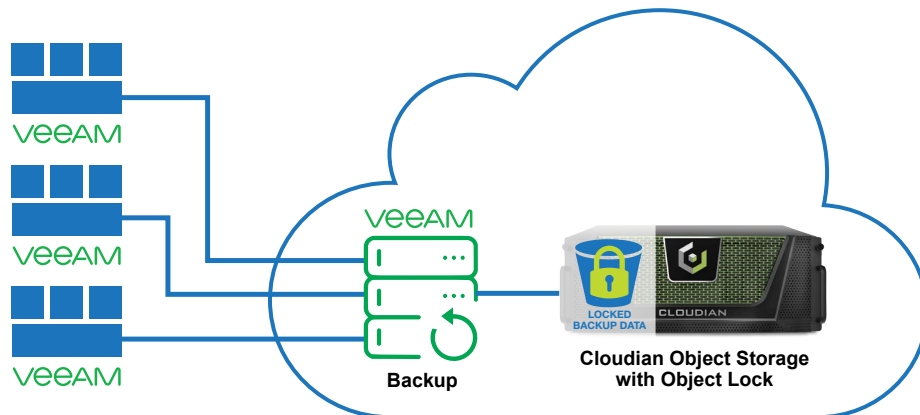
Cloudian provides a fast, capacity-tier storage target for Veeam Availability Suite. The Object Lock feature enabled with Veeam and Cloudian ensures protection from ransomware.

Automated for Simple Management

Veeam manages ransomware protection as part of the standard backup workflow, so there is no additional workload. The solution delivers security comparable to offline storage, but without the labor-intensive, manual steps associated with tape handling.

Hardened Solution, with Certified Data Immutability

Cloudian's Object Lock feature is verified in government certification testing, and is certified compliant with the non-rewriteable and non-erasable storage requirements of SEC 17a-4(f) and CFTC Rule 1.31(c)-(d).

High Speed Backup and Recovery

Cloudian ensures fast backup and recovery with local, disk-based storage. Because Cloudian is a peer-to-peer, distributed storage system, workload is shared across all devices in the cluster. As you grow, system performance grows, too. To further ensure fast recovery performance, the solution supports recovery directly from HyperStore without the need to rehydrate an intermediate storage tier.

SOLUTION BENEFITS

Ransomware Protection

- Object Lock protects backup copies from encryption by ransomware
- Assured restore in event of an attack

Certified Solution

- SEC Rule 17a-4(f)
- CFTC Rule 1.31(c)-(d)
- FINRA Rule 4511

Superior RPO/RTO

- Fast restore from on-prem, disk-based backup target

Lowest TCO

- 70% lower TCO than traditional enterprise disk-based storage
- 30% lower TCO than tape

Modular and Limitlessly Scalable

- Start small and expand without downtime

Cloud Compatible

- S3-compatible storage
- Replication to public cloud for DR
- Compatible with AWS, Azure, GCP

USE CASES

RANSOMWARE PROTECTION
Immutable data for compliance, governance or legal hold

DATA PROTECTION
Integrated backup and archive solution

DISASTER RECOVERY
Policy-based replication to cloud or remote site for DR

REGULATORY COMPLIANCE
HIPAA, GDPR, SEC Rule 17a-4

Security

Cloudian Object Lock is certified to meet the non-rewriteable, non-erasable storage requirements of SEC Rule 17a-4(f), and is certified to meet the principles-based requirements of CFTC Rule 1.31(c)-(d) and the requirements of FINRA Rule 4511. In addition, Cloudian supports AES-256 server-side encryption for data at rest and SSL for data in transit (HTTPS). Fine-grained storage policies — including encryption at object and bucket-levels — permit security settings to be individually configured for different users or data types in a shared-storage environment. In addition, Cloudian offers enhanced security features such as secure shell, integrated firewall and RBAC/IAM access controls to further protect backup copies.

Hybrid Cloud-Ready

For DR purposes, Cloudian's data management functionality lets you create a remote data copy. Replicate backup data to a second Cloudian site, or to low-cost deep archive storage such as AWS Glacier. With policy-based management, the offsite copy will be automatically kept up to date.

Multi-tenancy

Both Veeam and Cloudian support multi-tenancy, ensuring that multiple clients may be supported within a single system while maintain full data security. Integrated billing simplifies management, and QoS controls help you deliver consistent service levels.

Lowest TCO

Cloudian HyperStore is a scale-out object storage system that provides fast, cost-effective backup and archive storage at 70% less cost than public cloud storage or traditional storage options. The scale-out architecture lets you start small and grow, rather than consuming cash for capacity purchases ahead of demand. A software-defined-storage model gives you the option of deploying on the hardware of your choice, or on Cloudian's pre-configured storage appliances.

Veeam-Certified

Cloudian is Veeam-certified to ensure trouble-free integration. Veeam native support for the S3 API via the Cloud Tier enables seamless integration with Cloudian HyperStore.

"Object Lock" protects data from ransomware by making it unchangeable for a specified period, thus preventing encryption by malware.

Create a DR copy on low cost public cloud deep archive storage using Cloudian's policy-based data replication.
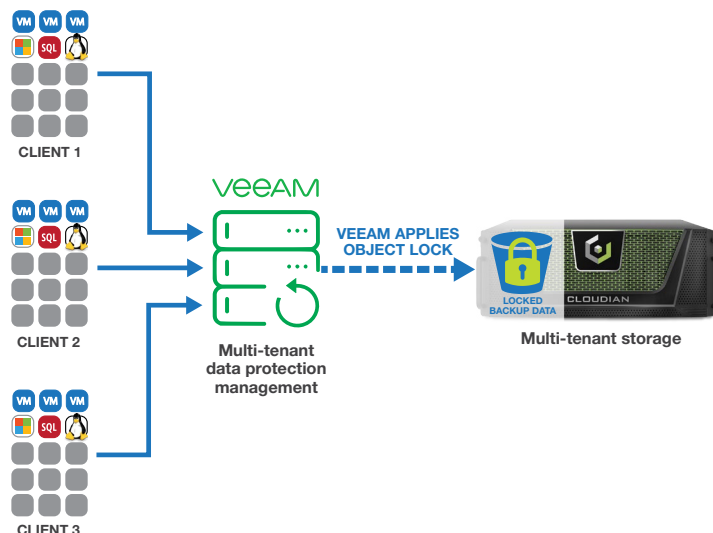
Multi-tenancy support lets you create multiple backup workflows within a single infrastructure without compromising security.

READY

Object