

Cloudian backup target provides easy integration, scale-out growth, and protection from ransomware

Challenge: More Data and New Threats

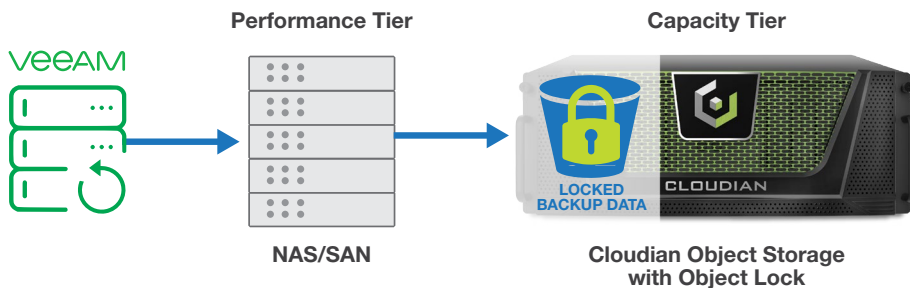
IT managers must manage data growth, meet stringent RPO/RTO objectives, and protect data from loss or malicious attacks. Your choice of backup target is critical to meeting these data protection objectives. Traditional hardware backup targets are expensive and lack scalability. Public cloud targets can limit bandwidth, resulting in lengthy restore times. Wherever your backup data resides, a ransomware attack could render that data useless, potentially shutting down operations. The need for a new approach to data protection has never been greater.

Solution

Cloudian HyperStore enterprise storage complements Veeam Availability Suite v10 with fast, on-premises disk-based storage and built-in ransomware protection. At 70% less cost than public cloud or traditional enterprise storage, Cloudian offers an innovative solution for better backup storage.

High Speed Backup and Recovery

Cloudian provides a local, S3-compliant object storage target for Veeam backups over your local, high-speed network. The solution lets you backup and restore large data sets in a fraction of the time required for public cloud storage, leading to enhanced Recovery Point Objectives (RPO) and Recovery Time Objectives (RTO). To further ensure high performance, the solution supports recovery directly from HyperStore without the need to rehydrate an intermediate storage tier.



Cloudian provides a fast, on-prem, capacity-tier storage target for Veeam Availability Suite. Cloudian provides greater backup performance than public cloud at 70% less cost. The Object Lock feature ensures protection from ransomware.

Ransomware Protection

To protect data from ransomware attacks, Cloudian HyperStore and Veeam Availability Suite V10 support Object Lock. This permits backup data copies to be made unchangeable for a set period of time, which prevents hacker encryption or deletion and ensures a clean data copy for reliable recovery. The resulting security is comparable to offline storage.

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

SOLUTION BENEFITS

Ransomware Protection

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

Security Certifications

- 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

- 1/3 the cost of public cloud or traditional enterprise storage
- 30% lower TCO than tape

Trouble-Free Integration

- Veeam Object Ready qualified
- Proven in Veeam deployments worldwide

Modular and Limitlessly Scalable

- Start small and expand without downtime

Cloud Compatible

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

USE CASES

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

RANSOMWARE PROTECTION

Immutable data for protection against ransomware and other malware threats

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, your offsite copy will be automatically kept up to date.

Multi-tenancy

Increase efficiency by allowing multiple users to share a single backup and storage infrastructure, without compromising security. Both Veeam and Cloudian support multi-tenancy, ensuring that multiple clients may be supported within a single system while maintaining full data security. Integrated billing simplifies management, and QoS controls help you deliver consistent service levels.

Multi-tenancy support lets you create multiple backup workflows within a single infrastructure without compromising security.

Lowest TCO

Cloudian HyperStore is a scale-out object storage system that provides a fast, cost-effective backup and archive storage platform at 70% less cost than public cloud storage or traditional storage options. The scale-out architecture lets you start small and grow, rather than buying capacity long in advance. 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-Qualified

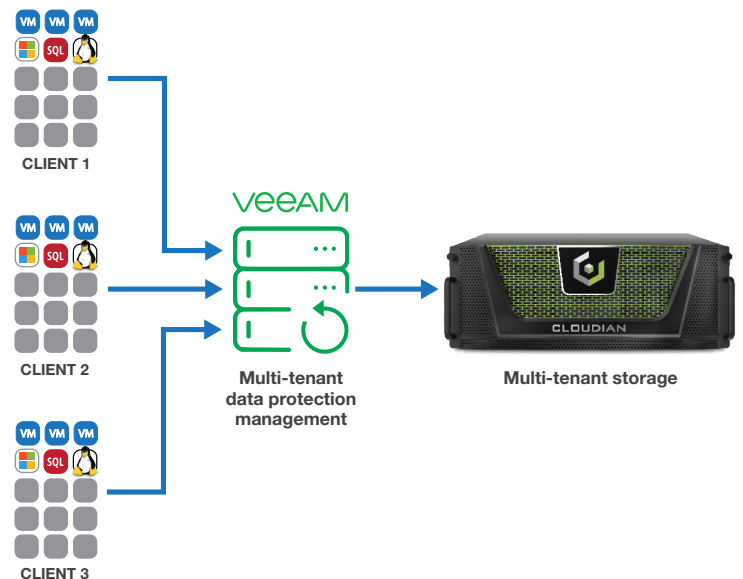
Cloudian is Veeam-qualified to ensure trouble-free integration. Veeam's native support for the S3 API via the Cloud Tier, enables seamless integration with Cloudian HyperStore.



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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.



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