NetApp

IMMUTABLE PROTECTION FOR CRITICAL DATA WITH NETAPP & VEEAM

NetApp StorageGRID and Veeam® V12

veeam

Business challenge

Ransomware, malware, and insider threats are critical concerns for business and IT leaders. These attacks target your organization's most vital asset: data. As threats become more frequent and sophisticated, ransomware now even targets secondary backups to cripple recovery efforts. Without proper preparation, you risk paying ransoms or losing data permanently. Despite significant investments in data security, human error remains a leading cause of breaches. A robust backup and recovery strategy is essential, not only to defend against external threats but also to prevent malicious actions from within. NetApp and Veeam deliver the immutable data protection you need to safeguard your data effectively.

Modern air-gapped protection

Traditionally, "air-gapping" involved keeping a read-only, offline copy of backups to prevent ransomware from altering or destroying data. While tape backups have been a common solution, they are now outdated due to slow recovery times, unreliable media, and high maintenance costs.

Modern air-gapping solutions offer complete data immutability with ultra-fast, guaranteed recoverability, leveraging online data sources.

NetApp and Veeam uniquely partner to deliver 100% ransomware-proof data protection for all data types, including virtual, physical, NAS, and cloud-native environments. This partnership ensures your data remains secure, accessible, and recoverable, meeting the demands of today's storage architects and infrastructure leaders.

Solution Overview

Veeam Hardened Repository combined with NetApp
To prevent attacks on backups, Veeam Backup & Replication™ enhances the "Hardened Repository" feature. It configures backups immutable for a configured amount of time. This protects against ransomware, hackers and insider threats. When combined with NetApp E-Series storage, you have a high-performance, short-term data protection repository that provides the fastest RPOs and RTOs in the industry. A compliant Hardened Repository configuration ensures protection of backup data against manipulation and meets the requirements for non-rewritable, non-erasable storage as specified by SEC 17a-4(f), FINRA 4511(c) and CFTC 1.31(c)-(d) regulations. The compliance assessment was done by Cohasset Associates.

NetApp E-Series is the ideal target for keeping short-term backups safe in a hardened, malware and hacker-proof immutable repository, preventing encryption and deletion by ransomware and malicious actors.

Extend Immutability with S3 Object Lock on NetApp StorageGRID
For longer term data retention, NetApp StorageGRID offers enterprise-grade, geo-distributed S3-compatible object storage for Veeam immutable data retention. S3 Object Lock API support ensures data retention for a set period, preventing deletion, modification, or encryption, thus providing comprehensive protection against ransomware and insider threats.

KEY BENEFITS

- **Reducing complexity:** Veeam reduces overall complexity to create powerful yet simple immutable data protection against ransomware and insider threats.

- **Maintaining compliance:** Veeam & NetApp deliver built-in, end-to-end AES 256-bit encryption, giving you the ability to encrypt backup files and data at source (during backup), in flight and at rest.

- **Reducing storage costs:** NetApp and Veeam leverage deduplication and compression to deliver 50% or more savings on long-term data retention costs.

- **Enterprise grade:** NetApp E-Series and StorageGRID provide high-performance short-term and economical extended retention enterprise-grade data protection with complete guaranteed immutability of data.

- **Unique multi-tier immutability:** Only NetApp and Veeam combine high-speed block storage (E-Series) with scalable object storage (StorageGRID) under a single, integrated solution, delivering short-term performance and long-term retention without compromise.

- **High performance:** NetApp and Veeam provide low recovery point objectives (RPOs) and recovery time objectives (RTOs), getting your data back to work for your business as fast as possible.
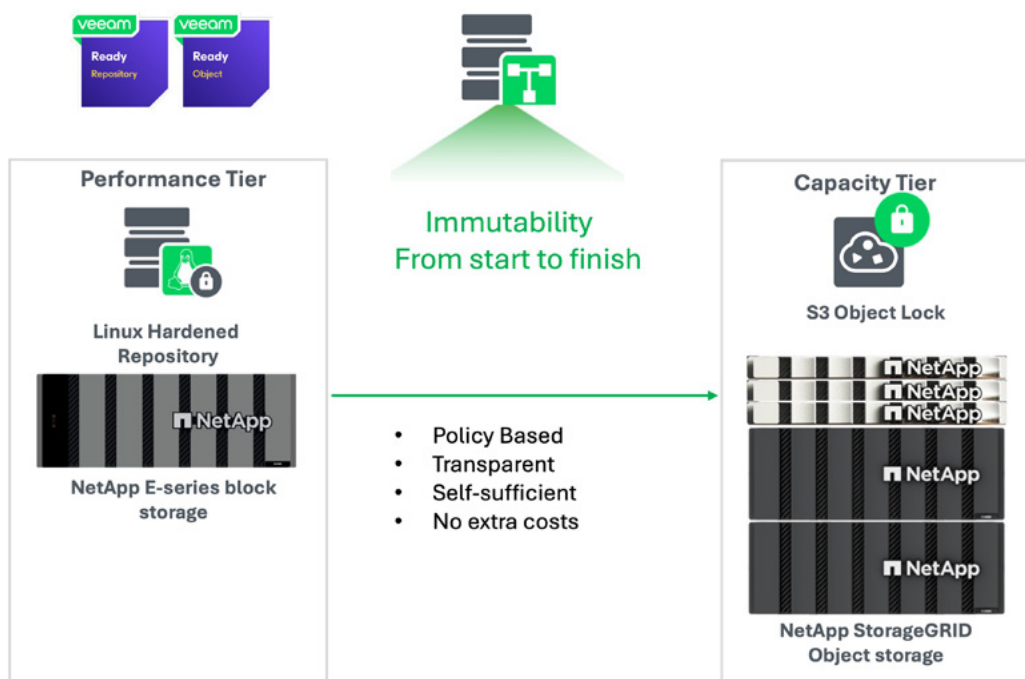
Conclusion

If your organization requires a robust immutable data protection, the combined solution from NetApp and Veeam delivers exceptional security and performance. The Veeam hardened repository with NetApp Storage offers a fortified, malware-proof, and hacker-proof environment for backups, preventing encryption and deletion by ransomware and malicious actors. The NetApp all-flash SGF6112 accelerates performance, boosts throughput, and increases density, making it ideal for modern enterprise data protection.

For extended retention, the NetApp StorageGRID capacity-optimized appliances provide comprehensive data management policies tailored to performance, durability, availability, geographic location, longevity, and cost. StorageGRID ensures compliance with regulations through features like Write Once Read Many (WORM) retention with S3 Object Lock, access control policies, encryption, and audit trails.

While Veeam® does not prevent ransomware, the advanced features of the Veeam Data Platform™ combined with NetApp solutions enable your organization to quickly and effectively restore critical data to a known-good state after an attack. Together, NetApp and Veeam provide a powerful, secure, and compliant solution for immutable data protection, ensuring your data remains safe and recoverable in the face of evolving threats.

Learn more:

veeam.com
netapp.com/storagegrid

Download free trial:

vee.am/backup

About NetApp

For more than three decades, NetApp has helped the world's leading organizations navigate change – from the rise of enterprise storage to the intelligent era defined by data and AI. Today, NetApp is the Intelligent Data Infrastructure company, helping customers turn data into a catalyst for innovation, resilience, and growth. At the heart of that infrastructure is the NetApp data platform – the unified, enterprise-grade, intelligent foundation that connects, protects, and activates data across every cloud, workload, and environment. Built on the proven power of NetApp ONTAP, our leading data management software and OS, and enhanced by automation through the AI Data Engine and AFX, it delivers observability, resilience, and intelligence at scale. Disaggregated by design, the NetApp data platform separates storage, services, and control so enterprises can modernize faster, scale efficiently, and innovate without lock-in. As the only enterprise storage platform natively embedded in the world's largest clouds, it gives organizations the freedom to run any workload anywhere with consistent performance, governance, and protection. With NetApp, data is always ready – ready to defend against threats, ready to power AI, and ready to drive the next breakthrough. That's why the world's most forward-thinking enterprises trust NetApp to turn intelligence into advantage.

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