

# Veeam Data Cloud Vault

## Technical Specifications for Security

### Access Control

**User Authentication:** Veeam Vault is integrated with existing mechanisms, such as Active Directory (AD), or SAML-based Single Sign-On (SSO).

**Workload Access:** Veeam Vault can be accessed by Veeam Backup & Replication and related workloads for read/write operations using API-based interactions.

### Logging & Audit Capabilities

#### What is Collected:

- User login attempts (successful and failed)
- API interactions (calls made, responses, timestamps)
- Data access logs (who accessed what, when, and for how long)
- Backup and restore operations

**Log Storage & Retention:** Veeam Vault enforces a minimum retention period of 30 days, ensuring compliance with regulatory requirements. Organizations can configure extended retention based on their policies.

### Networking & Compliance

**IP & Network Security:** Veeam Vault has configurable firewall rules to restrict unauthorized traffic.

**Retention Policy:** 30-day minimum retention with additional configurable options.

**Compliance:** Veeam Vault meets industry standard for ISO 27001, SOC 2, GDPR, and HIPAA — learn more on the [Trust Center](#). Veeam Vault ensures data sovereignty via geolocation-based access policies and global datacenter availability with Microsoft Azure.

#### Veeam Data Cloud Vault

##### Secure Cloud Storage Made Easy

Fully managed, secure cloud storage resource on Microsoft Azure, architected to strict Zero Trust Data Resilience principles, that's always immutable, encrypted, and logically air-gapped from production.

- **Segmentation of Backup Software and Backup Storage:** Segmentation and air-gapping to maintain availability for authorized users while reducing the risk to confidentiality and integrity should one part of the environment be compromised.
- **Multiple Resilience Zones:** Focusing on maintaining three copies of your data on two types of media, with one offsite to ensure you can recover quickly and securely.
- **Immutable and Encrypted Backup Storage:** Protect the integrity of your data, with immutability ensuring data's availability for a clean restore, and encryption for its confidentiality.

**NIST**

## Immutability & Ransomware Protection

### What is Immutability?

Immutability ensures that backup data cannot be modified, deleted, or encrypted by ransomware or accidental actions within a predefined retention period. Once immutability is enabled, no administrator, script, or external attack can alter or remove the data before its retention period expires. This protects backups from ransomware and insider threats, meets regulatory compliance, and provides long-term retention for audits, legal hold, and business continuity.

## Veeam Vault Immutability Features

**Object Lock:** Ensures that backups remain unchangeable for a set retention period.

**Time-Based Retention Policies:** Define specific timeframes during which data cannot be altered.

**Compliance Mode:** Prevents even root/admin-level users from modifying data.

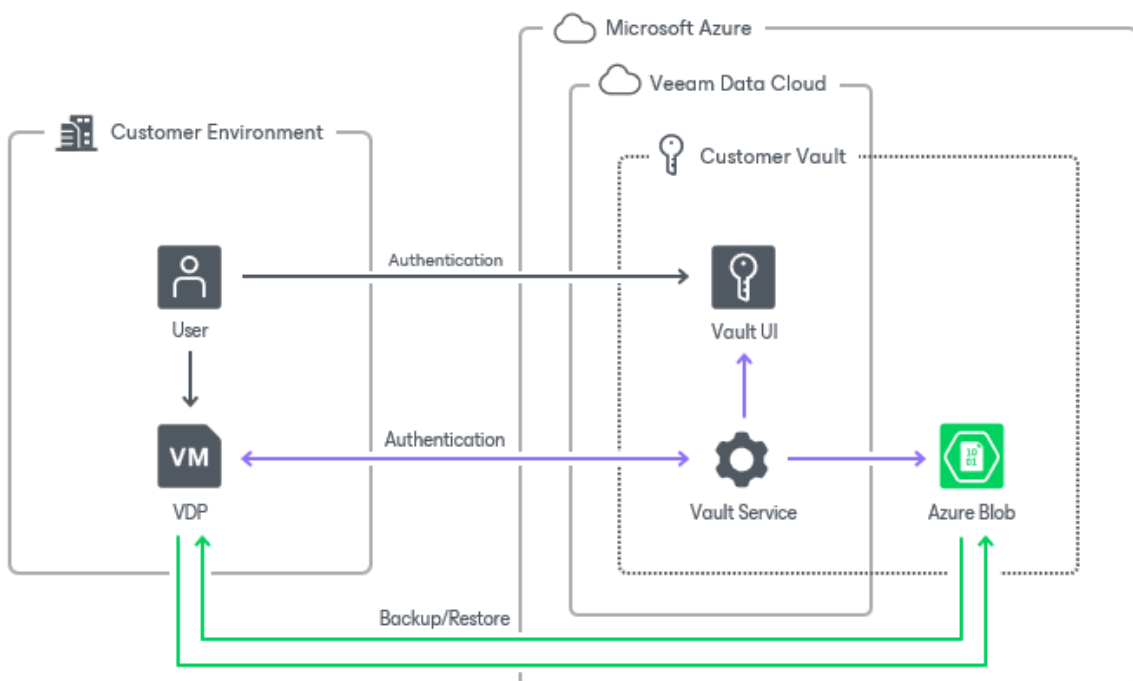
**Ransomware Recovery:** Ensures a clean recovery point to restore operations in case of a cyberattack.

## Data Security & Protection

**Immutability:** Version-level WORM (Write Once, Read Many). Blob Versioning enabled to protect against accidental deletions or ransomware. Supports Time-Based Retention and Legal Hold for compliance-driven storage.

**Encryption:** Data at rest is encrypted using AES-256. Data in transit is secured using TLS 1.2/1.3.

**API Security:** APIs exposed for integration with Veeam Backup & Replication, third-party tools, and compliance monitoring.



### Microsoft + Veeam

Together, Microsoft + Veeam go beyond typical backup and recovery. Jointly, we ensure you are protected with the ability to quickly restore in the event of a disaster or ransomware attack. Our solutions provide comprehensive immutability, so you can rest assured that your data is resilient against ransomware. Whether your data resides in Microsoft Azure, Azure Stack HCI, Azure Kubernetes Service, Microsoft 365, or on premises, we help you mitigate risk and ensure your data stays secure, protected, and always available.

### About Veeam Software

Veeam, the #1 global market leader in data resilience, believes every business should control all their data whenever and wherever they need it. We're obsessed with creating innovative ways to help our customers achieve data resilience. We do that by offering purpose-built solutions that provide data backup, data recovery, data portability, data security, and data intelligence. Headquartered in Seattle, with offices in more than 30 countries, Veeam protects over 550,000 customers worldwide, who trust Veeam to keep their businesses running. Learn more at [www.veeam.com](http://www.veeam.com) or follow Veeam on LinkedIn [@Veeam-Software](#) and X [@Veeam](#).

→ Learn more: [veeam.com](http://veeam.com)