

Solutions Guide

Veeam and Object First: Your Ideal Partners for Data Resilience



In the event of a ransomware attack, secure backup is the last line of defense. Together, Veeam and our innovative partner Object First deliver an integrated backup solution that meets the strictest Zero Trust Data Resilience principles.

Rick Vanover

Vice President, Product Strategy

Veeam Software

Facing limitations with legacy backup infrastructure, Veeam customers are upgrading their on-premises backup solutions. They want fast backup and support for Instant Recovery, and the highest levels of data protection without the need for security expertise.

Ransomware-proof and immutable out-of-the-box, Ootbi by Object First delivers secure, simple, and powerful backup storage for Veeam customers.

What is data resilience and why does it matter?

Data resilience is a system or organisation's ability to withstand and recover from data-related disruptions or failures. This involves implementing measures that ensure data availability, integrity and security even in the face of unexpected events like natural disasters, cyber-attacks, hardware failures and human errors.

This ability is crucial in today's threat landscape, where ransomware attacks occur every 11 seconds*, and cybercriminals increasingly target backup data—96% of attacks aim to compromise backups*.

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Alongside the existential threat to organisations from these attacks, legislative regulation is increasingly holding organisations—and their leaders—legally responsible for cybersecurity and business continuity. Examples include NIS2 in the European Union and the more sector-specific HIPAA and FISMA regulations in the US.

Data resilience measures include robust backup strategies, offsite replication, and regular testing of recovery processes to safeguard business continuity.

Veeam: the foundation for optimal data resilience

Veeam solutions are purpose-built to empower organisations with data resilience, offering comprehensive capabilities for data backup, data recovery, data freedom, data security, and data intelligence. [Veeam Data Platform](#) is a single solution which provides best-in-class secure backup and fast reliable recovery, helping limit downtime and meet compliance goals while reducing risk to all company data either on-premises or in the cloud.

Veeam is the clear
market leader, **ranked #1**

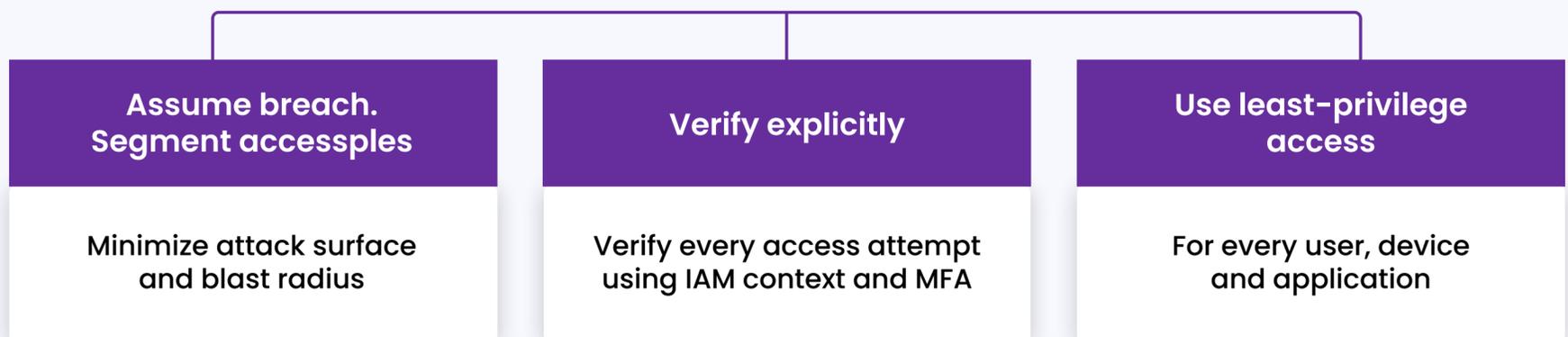
in the 2024 Gartner®

Market Share Analysis for Enterprise Backup and Recovery Software Report.

Complete Data Resilience with Immutable Backup Storage

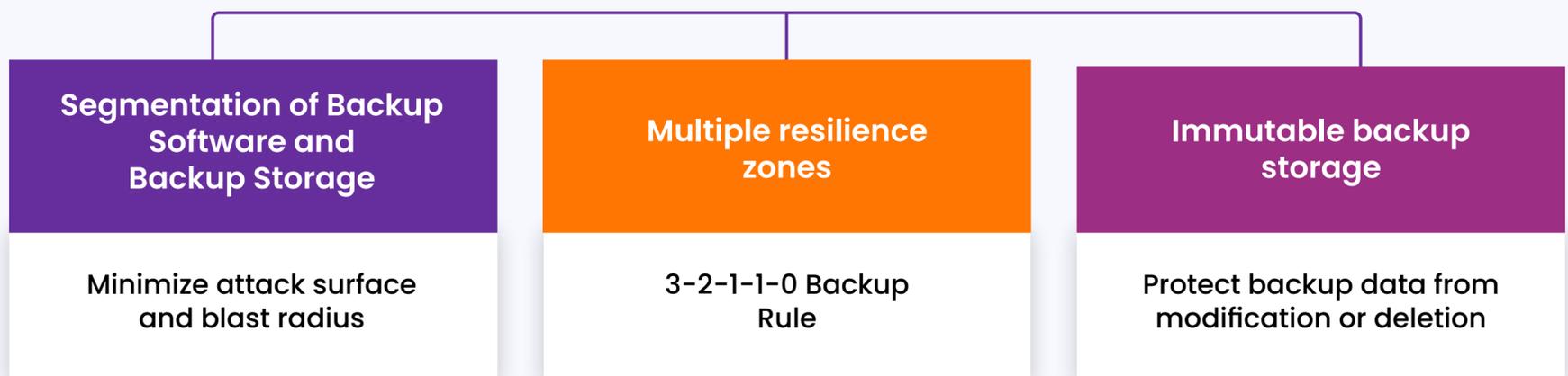
Backup software alone is only part of the picture. Without the right storage infrastructure, achieving the critical goals of security, availability, and recoverability is impossible. Furthermore, a complete security model that integrates backup software and storage is essential to build and maintain the highest level of data protection. Zero Trust Data Resilience is the most comprehensive security framework [see panel]

Zero Trust Principles



Zero Trust Data Resilience (ZTDR) Principles

Extending Zero Trust Principles to Enterprise Data Backup and Recovery



Zero Trust models, such as CISA's Zero Trust Maturity Model, offer an excellent approach to general cybersecurity. However, the original Zero Trust models do not address the specific security challenges for data backup and storage.

That's why Veeam, along with security and data protection experts Numberline Security, developed the Zero Trust Data Resilience model.

Object First: Secure by Design

Ootbi (Out-of-the-Box Immutability) by Object First is built on Zero Trust Data Resilience principles and delivers S3 native immutable object storage designed and optimised for unbeatable Veeam backup and recovery performance. Requiring no security expertise, the Ootbi appliance can be racked, stacked, and powered in 15 minutes.

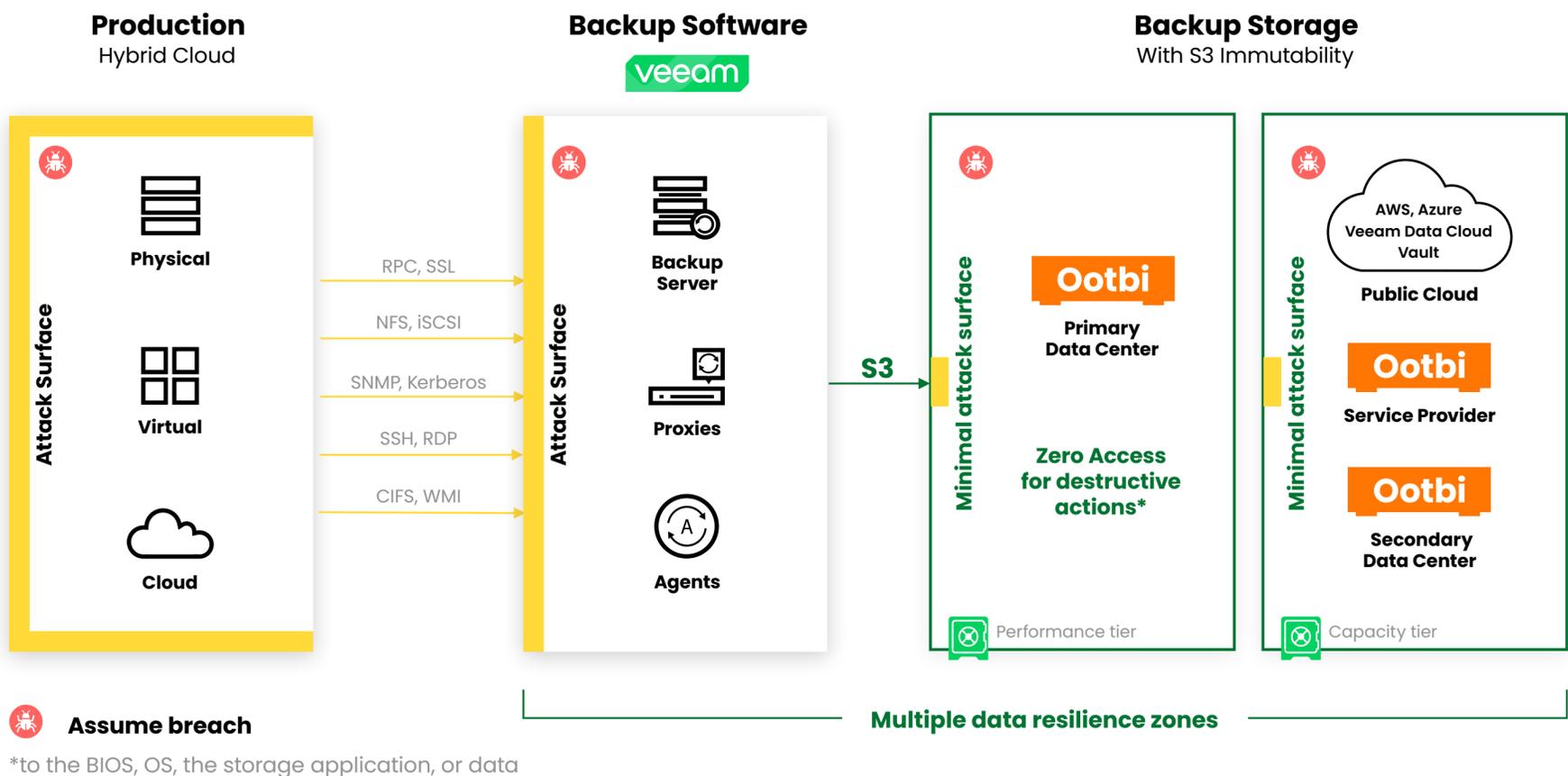
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Together, Veeam and Ootbi meet ZTDR principles

Here's how:

Immutable Backups:	Veeam backups to Ootbi are immutable by default, ensuring protection against deletion or alteration.
Securely Segmented:	Veeam and Ootbi are physically separate and communicate securely using the S3 protocol over HTTPS.
Data Encryption:	Ootbi backs up data received from VBR with standard Veeam compression and encryption, all configured in Veeam itself. Data is safe both in transit and at rest.
True Immutability:	Even with the highest-privilege Veeam or Ootbi administrator credentials, immutable backups on Ootbi cannot be deleted before their expiry without a rigorous security check from Object First's support team.
Zero Access to OS or Root:	Ootbi provides zero access to root, ensuring that Veeam data remains protected from harmful system-level actions - for example full repository deletion, modification of security access controls, or installation of malware.
MFA Control:	Both Veeam and Ootbi offer MFA access control, ensuring an extra layer of security.
Resilient Architecture:	Ootbi fits perfectly into Veeam's 3-2-1-1-0 architecture, serving as an on-premise repository with optional cloud backup or additionally as a remote target via Veeam's CloudConnect platform.
IAM:	Customized access policies can be granted - for example to different agents - to enhance security. Using read-only IAM policies, backups can be safely tested and restored by a separate Disaster Recovery VBR server, independently from your production VBR server.

Zero Trust Data Resilience (ZTDR) architecture



A Simple Solution that Just Works

Designed exclusively for seamless integration with Veeam, connecting Ootbi to VBR is a straightforward process that allows you to start backing up quickly and easily.

Standard Configuration:	Ootbi performs optimally with Veeam’s recommended block sizes, encryption, and compression standards, eliminating the need for complex setup.
Veeam-Driven Data Movement:	Veeam handles all data transfer processes, simplifying backup operations.
Backup Management:	Key details like immutability duration and backup job specifics are fully controlled through Veeam.
Ease of Use:	No advanced security or Linux expertise is required - just connect and go, whether installing the first Ootbi unit or scaling with additional nodes.
Collaborative Development:	Object First engineers worked closely with Veeam’s R&D team, rigorously testing the S3 direct backup to object integration before its introduction with the VBR V12 release —and continue to ensure that all applicable VBR features are fully leveraged in Ootbi.
Expert Support:	Object First’s technical support team, experts in Veeam, collaborate directly with Veeam’s support staff to resolve joint support tickets efficiently without customers being caught in the middle.

The Power You Need for Business Continuity

Ootbi leverages Veeam's exclusive Smart Object Storage API to its full potential – delivering optimal performance for critical backup and recovery processes:

High-Speed Backup:	Write speeds of 1GB/sec per Ootbi node ensure backup operations run smoothly without impacting day-to-day activities.
Instant Recovery:	Ootbi supports Veeam's Instant Recovery feature with up to 80 VMs per cluster, enabling a fast resumption of operations after an incident.
In-Depth Analysis:	You can leverage Veeam SureBackup or Instant Recovery for thorough software testing, malware checks and secure restores before bringing systems back online.

Conclusion

By combining Veeam Backup & Replication with Object First's Ootbi appliance, you can achieve a secure, simple and powerful data protection solution.

Built on Zero Trust Data Resilience principles, this joint solution ensures that critical backups are immutable, encrypted, and easily recoverable - keeping your business protected from modern cyber threats.

With seamless integration, fast recovery capabilities, and robust security features, Veeam and Ootbi together provide a comprehensive answer to today's data resilience challenges.



[**Schedule a Demo**](#)

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veeam

Ready
Repository