



Rubrik Data Protection for Proxmox VE

Modernize Your Virtualization Strategy with Uncompromised Cyber Resilience

OVERVIEW

As organizations modernize their infrastructure with Proxmox VE, they face the critical challenge of preventing data fragmentation. Shifting workloads to a new hypervisor often means leaving behind established enterprise security tools, forcing IT teams to rely on manual scripts, native utilities, or disconnected point solutions.

This fragmented approach increases operational complexity and leaves critical workloads vulnerable to ransomware. Without a unified security strategy, the cost savings of adopting Proxmox can be quickly erased by the risks of data loss, prolonged downtime, and compliance failures.

THE SOLUTION: RUBRIK DATA SECURITY FOR PROXMOX VE

Rubrik extends its industry-leading Zero Trust Data Security™ platform to Proxmox VE, allowing you to accelerate adoption without lowering your security standards. By abstracting data protection from the underlying infrastructure, Rubrik enables you to protect Proxmox workloads with the same immutable, air-gapped architecture used for your VMware, cloud, and SaaS environments—all managed through a single pane of glass.

KEY BENEFITS



SIMPLIFY PROXMOX PROTECTION

Eliminate operational friction and complex scripting by integrating Proxmox directly into your existing Rubrik environment. Accelerate adoption with zero learning curve, enabling your teams to embrace open-source virtualization with confidence.



DETECT THREATS AND PROTECT SENSITIVE DATA

Stay ahead of attacks with AI-powered anomaly detection, threat hunting, and sensitive data discovery—continuously monitoring your Proxmox environment so threats are identified before they impact your ability to recover.



ENSURE BUSINESS CONTINUITY

Defend against cyber threats with native immutability and air-gapped backups that ensure true cyber resilience. Guarantee rapid recovery of critical VMs and files in minutes—not days—to keep your business online.

HOW IT WORKS

Rubrik integrates directly with the Proxmox VE environment to discover and protect virtual machines. Data is ingested into the secure Rubrik platform, where it is deduplicated, encrypted, and locked against changes. Management is handled via Rubrik Security Cloud, providing a seamless experience across your hybrid estate.

KEY CAPABILITIES

- **Policy-Driven Automation:** Move beyond manual job scheduling. Assign simple SLA policies to your Proxmox VMs, clusters and nodes, and Rubrik automatically handles discovery, scheduling, and expiration.
- **Immutable Architecture:** Data stored in Rubrik is written to a proprietary file system that cannot be modified, deleted, or encrypted by external threats. Even if your Proxmox admin credentials are compromised, your backup data remains safe.
- **Threat Detection & Data Security:** Detect ransomware early with ML-powered anomaly detection, proactively hunt and monitor for indicators of compromise using YARA rules and file hashes, and automatically discover and classify sensitive data across your Proxmox VMs — so you know what's at risk before, during, and after an attack.
- **Rapid Recovery:** Minimize downtime with flexible restore options. Quickly search for and recover Virtual Machines directly to the Proxmox environment to meet tight Recovery Time Objectives (RTOs). Minimize downtime with flexible restore options. Quickly search for and recover Virtual Machines directly to the Proxmox environment to meet tight Recovery Time Objectives (RTOs) — or go granular with file and folder-level recovery from VM backups, without needing to restore the entire VM.
- **End-to-End Encryption:** Data is encrypted both in-flight and at-rest, ensuring that sensitive information within your Proxmox environment remains secure throughout its lifecycle.
- **Centralized Reporting:** Gain global visibility into your data protection status. Automated reporting tools help you prove compliance to auditors and ensure that all Proxmox workloads are meeting defined SLAs.

CONCLUSION

As you modernize your virtualization stack, your data security strategy must evolve with it. Rubrik provides “Complete Data Security for the Hybrid Cloud,” ensuring that your transition to Proxmox VE does not introduce new risks or operational burdens. By delivering uncompromised cyber resilience and unified management, Rubrik empowers your organization to embrace the flexibility of Proxmox while keeping your business secure, compliant, and unstoppable.

Don't let security concerns slow down your infrastructure modernization. Secure your Proxmox adoption with the world's leading Zero Trust Data Security platform. To learn more how Rubrik can help with a unified data protection for your Proxmox environment, [visit the webpage](#).

SAFE HARBOR STATEMENT

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Rubrik (NYSE: RBRK) is the Security and AI Operations Company, delivering one platform built at the intersection of data, identity, and AI. The platform enables agentic cyber resilience and trusted AI operations for enterprises worldwide, built to recover before disruption strikes and stay a step ahead, so security is never the reason ambition stalls. For more information, please visit www.rubrik.com and follow Rubrik on LinkedIn and X.

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