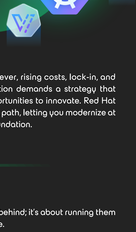
Modern Virtualization: The Confident Track to Hybrid Freedom

Discover how organizations are moving from legacy virtual machines (VMs) to a secure, hybrid platform where VMs and containers coexist.



Virtualization once fueled progress. Nowadays, however, rising costs, lock-in, and inflexible platforms limit what's possible. Modernization demands a strategy that lowers risk, preserves what matters, and unlocks opportunities to innovate. Red Hat OpenShift and Veeam Kasten can help you along that path, letting you modernize at your pace and build a flexible, future-ready hybrid foundation.

Your Move from Legacy to Hybrid.
Modernization isn't about leaving traditional VMs behind; it's about running them your way. The route to hybrid resilience starts here.

Stop 1

The Departure
Break Free from Lock-in. Start with Confidence.

The Challenge: The journey begins by freeing your workloads from proprietary hypervisors and high-cost contracts.

The Path Forward: With Red Hat and Veeam, you can assess, plan, and migrate with built-in data protection.

Assess and Strategize
Use Red Hat Virtualization Migration Assessment (VMA) to evaluate your current workloads and identify opportunities for cost savings and modernization.

Plan for Protection
Integrate data protection from the start to ensure workloads are secured before, during, and after migration.

Migrate Securely
Use the Red Hat Migration Toolkit for Virtualization (MTV) to move workloads without disruption or data loss.

Plot Your Course
Choose OpenShift Virtualization for containers, VMs, and application modernization or OpenShift Virtualization Engine for VMs only.

Confidence in the Transition.
Know your workloads are protected every step of the way.

Stop 2

The Move
Unify and Protect. Run Hybrid Your Way.

The Challenge: After migration, many organizations find themselves in unfamiliar territory. Without unified protection, the journey can stall.

The Path Forward: OpenShift brings VMs and containers onto the same track. Veeam Kasten ensures data resilience from the moment they arrive. The result is a smooth, secure ride to your hybrid future.

Discover and Protect Automatically
Let Veeam Kasten identify and secure workloads the moment they land on Red Hat OpenShift.

Simplify Management
Unify backup, recovery, and compliance under one consistent hybrid platform.

Enforce Resilience
Use immutable, air-gapped backups to defend against ransomware and ensure audit readiness.

Automate Everything
Streamline policies, recovery, and governance through policy-driven automation that keeps operations running smoothly.

Protection Without Pause.
Confidence in every cluster.

Stop 3

The Destination
Evolve Without Limits. Build Your Hybrid Future.

You've Arrived: Embrace hybrid freedom and scale to modern app delivery. Step boldly into your new reality with workload freedom across environments and always-on data protection.

Run VMs and Containers Together
Operate both seamlessly on Red Hat OpenShift with no forced rewrites or disruptive cutovers.

Modernize at Your Pace
Refactor applications gradually as your business needs evolve, with flexibility built into every step.

Extend Securely
Enable CI/CD, hybrid cloud, and edge operations with built-in protection and consistency.

Ensure End-To-End Compliance
Maintain governance and visibility with immutability, role-based access control (RBAC), and audit-ready controls across your hybrid environment.

Hybrid Resilience Achieved.
Modernization, your way.

Modernization Isn't a Jump. It's a Seamless Connection.

With Red Hat OpenShift and Veeam Kasten, modernization becomes secure and scalable, from your first migration to your future-ready hybrid state.

Confidence
Plan protection before migration and cross over with clarity.

Resilience
Unified protection for VMs and containers, on-premises, or in the cloud.

Security and Compliance
Immutability, audit readiness, and ransomware defense built in.

Key Outcomes to Expect with Modern Virtualization.

Clarity:
A clear path from where you are today to where you want to go.

Flexibility:
Run and manage legacy and cloud-native workloads together.

Resilience:
Confidence that your business stays protected, even during change.

Control:
Move away from lock-in to a unified platform that adapts with you.

Cost Efficiency:
Reduce dependence on aging and expensive virtualization platforms.

Future-Readiness:
A foundation that supports the apps, clouds, and architectures you'll need next.

You're On Track to What's Next.

Ready to get started? Explore the full playbook:
"Your Modernization Journey: Achieving Hybrid Resilience"