Red Hat Summit

Connect

Veeam Kasten and Red Hat OpenShift

Advanced synergies for resilience, security and business continuity

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A Pivotal Moment in Virtualization

Organizations today are…

Reassessing Virtualization Roadmaps

In response to shifting vendor models, rising costs, and modernization pressures

Exploring Flexible Compute Platforms

Aligning with hybrid cloud environments, modernization strategies, and business continuity goals

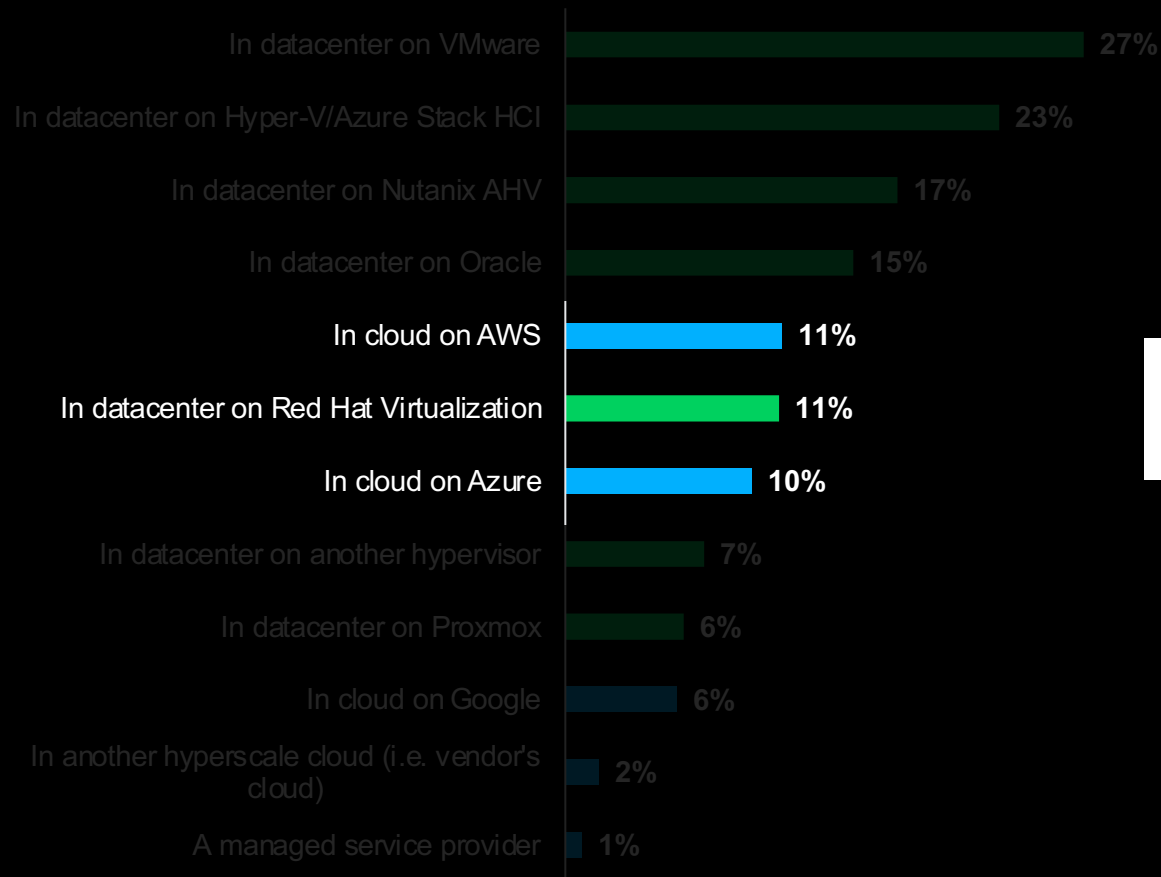### Inviting Innovation and Demanding Resilience

This is a rare inflection point for the industry

70% of enterprises are evaluating new infrastructure strategies to improve flexibility and reduce lock-in - IDC

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56% are Likely to Decrease Usage of VMware

Key customer inflection point

In two years, when you need a new virtual server, where would you **prefer** to run it?

Category	Percentage
In datacenter on VMware	27%
In datacenter on Hyper-V/Azure Stack HCI	23%
In datacenter on Nutanix AHV	17%
In datacenter on Oracle	15%
In cloud on AWS	11%
In datacenter on Red Hat Virtualization	11%
In cloud on Azure	10%
In datacenter on another hypervisor	7%
In datacenter on Proxmox	6%
In cloud on Google	6%
In another hyperscale cloud (i.e. vendor's cloud)	2%
A managed service provider	1%

Veeam has a solution for **modern virtualization**

VM and Containers

Storage
(Block, File, Object)

Hybrid
(Cloud and On-Premises)

Hybrid IT is the **New Norm**

- Virtual machines (VMs) remain essential and are evolving with open-source innovation.

- Kubernetes-native platforms are accelerating business agility and growth.

- Unified management of containers and VMs on shared platforms.

- Consistent data protection and visibility across hybrid environments.

- Flexible deployment models for optimal performance on-premises, in the cloud, and at the edge.

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Red Hat OpenShift

A complete platform for unified VM and container application modernization

Red Hat OpenShift Container Platform

Trusted Enterprise Hybrid Workloads

- Run VMs and Kubernetes-native apps on a single platform with RHEL CoreOS.
- Reduce operational silos by unifying VM and container management.

Cloud-Like Experience Everywhere

- Enhanced services streamline VM management and container orchestration.
- Uniform controls, monitoring, and interfaces across on-premises, hybrid, and cloud environments.

Empowering Gradual Modernization

- Fits into DevOps workflows to move, update, and handle workloads without interruption.
- Supports gradual container adoption while fully supporting KubeVirt VMs.

Veeam Kasten

Enterprise-grade data protection for modern container and Kubevirt VM workloads

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Unified Data Resilience

- Native protection for Kubernetes apps and OpenShift KubeVirt VMs
- Unified operations reduce complexity and cost

Secure, Automated Operations

- Immutable, encrypted backups with role-based access control (RBAC) and automation
- Centralized, consistent security and compliance across workloads
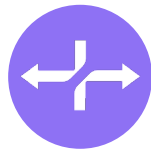
Accelerated Modernization

- Migrate and protect at your pace without disruption
- Built-in mobility and recovery across hybrid/multi-cloud

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Why Red Hat OpenShift + Veeam Kasten Now?

Meeting the demand of the market

Industry Inflection Point:

Virtualization disruption, hybrid cloud acceleration, ransomware risk

Business Urgency:

Cost control, compliance, modernization

Market Demand:
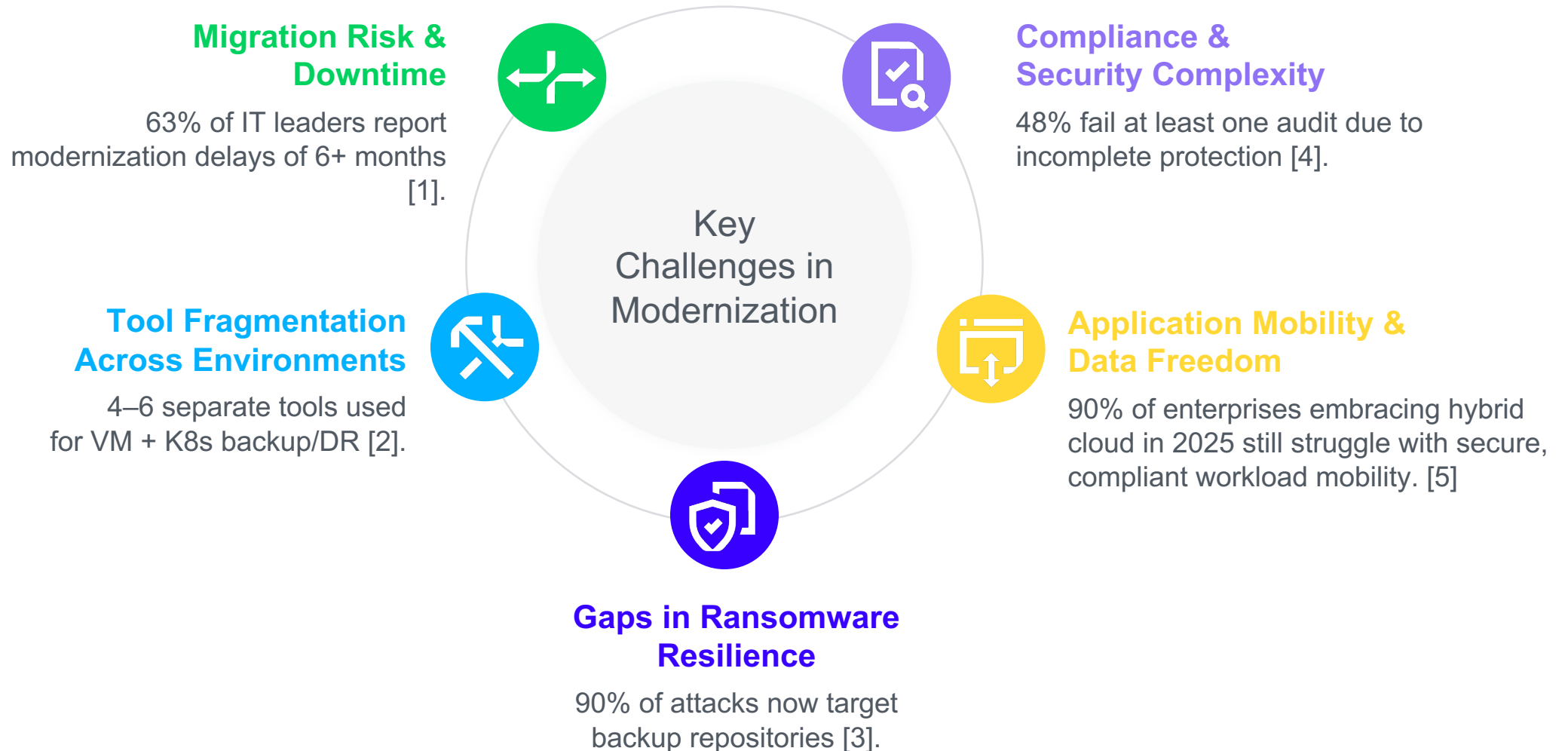
Unified platform for modernization and data protection

Veeam Kasten + OpenShift:

Secure, scalable, resilient modernization

Modernization is Inevitable. But Not Without Challenges

Barriers organizations face when migrating from legacy infra to hybrid and cloud-native

Migration Risk & Downtime

63% of IT leaders report modernization delays of 6+ months [1].

Compliance & Security Complexity

48% fail at least one audit due to incomplete protection [4].

Key Challenges in Modernization

Tool Fragmentation Across Environments

4–6 separate tools used for VM + K8s backup/DR [2].

Application Mobility & Data Freedom

90% of enterprises embracing hybrid cloud in 2025 still struggle with secure, compliant workload mobility. [5]

Gaps in Ransomware Resilience

90% of attacks now target backup repositories [3].

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Protecting Red Hat OpenShift with Veeam Kasten

Backup & Restore

Disaster Recovery

Application Mobility

Ransomware Protection

Security and Compliance
Meeting the highest standards for data protection

- NIST FIPS 140-3 compliance
- Immutable backups
- Red Hat ACS, ACM and various SIEM Integrations

Freedom of Choice
Like OpenShift, Veeam Kasten empowers users

- Choose your infrastructure: Storage, HW platforms, cloud providers
- Leverage your data services with Veeam Kasten Blueprints
- Choose your deployment model: On-premises, hybrid-cloud, multi-cloud, edge, or air-gapped

Performance and Scale
Performant protection for VMs and containers

- Changed Block Tracking (CBT)
- Quick disaster recovery (DR) for incremental backups
- Multi-cluster and large-scale application volume protection

Unified Operations
Optimized business continuity

- Business continuity: Protect against malicious attacks, data corruption, or infrastructure failure
- Security: Secure supply chain and data encryption
- Cost savings: Repurpose existing VM infrastructure, features lower TCO

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Kasten Unlocks Enterprise-Ready OpenShift Virtualization

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Veeam Protection Experience

🔄 **Incremental Backups**   🔲 **File Level Recovery**   🗂 **Data Freedom**

Modern Operations

🔲 **Self-service**   🛡 **Cloud-native Security**   ☑ **Automation**

Veeam Experience for Kubernetes

Unified platform
for virtual machines (VMs) and containers

File Level Recovery
for granular restoration, and powerful transformation for data freedom

Optimized performance
"forever incremental" backups of VMs, minimizing backup storage consumption

Enterprise-grade
against ransomware, accidental deletion, and data corruption

Storage agnostic
Support existing storage, no vendor lock-in, high flexibility

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Modernization is a Journey

Your Modernization Advantage in Three Words

Resilience

Keep every workload available with rapid recovery, immutable backups, and built-in ransomware defense

Simplicity

Unify VM and container management and protection on one platform to cut tools, cost, and complexity

Security Everywhere

Natively designed to enforce compliance and data security across clouds, clusters, and workloads.

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OpenShift Operators

Simple Deployment all within OpenShift Console

- Encode human operational knowledge

- **Automatically patch, upgrade, recover, and tune container-based apps and services**

- Kubernetes-native

- Purpose-built for a specific application or service

- Enable "day 2" management

Operators simplify management of complex applications on Kubernetes

Next Steps

Awareness, Objection Handling

OpenShift Virtualization blog

Solution brief

Partner website

Red Hat catalog page

Presales, POCs

Demo video

Migration blog post

Validated Pattern

Power 30/90 Enablement

Accelerate Delivery

Reference Architecture

Validated Pattern

Enablement, Change Management

Migration interactive demo

Hands-on demo

Lab guide

Red Hat Demo Platform

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