When Chaos Engineering Meets Data Protection

Testing Kubernetes Resilience with Veeam Kasten



Clarence Pouthier

Senior System Engineer
Veeam Kasten

Simplifying Resilient Operations for Red Hat OpenShift

Unified Management

Consolidate tooling and streamline operations

- Natively protects K8s resources on OpenShift
- Seamlessly extends to OpenShift Virt

Application-Centric

Minimize downtime and loss across critical services

- Automatically detect and protect complex stateful apps
- Supports consistent backup across cloud-native and VMs

Secure and Compliant

Reduce risk of breaches and audit failures

- Policy-driven protection with RBAC, encryption, and immutability
- Compliance through auditable backup ops & metadata retention

Cloud-Native

Accelerates cloud and platform transformation

- Integrates with OpenShift APIs and CSI snapshots
- Supports on-premises and cloud deployments (e.g., ARO, ROSA)

Operational Simplicity

Boosts productivity and reduces skill gap friction

- GUI and policy-driven automation for DevOps and platform teams
- Role-specific dashboards for visibility and control

veeam + Red Hat

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Live demo: you launch the attack, Veeam Kasten brings the app back on another cluster

Step 1

Run

Stateful app with live data on a cluster

Step 2

Protect

Kasten backup to immutable storage

Step 3

Cyberattack

Injected live on the running cluster

Simulate an attack

Step 4

Recover

Kasten automation restores from the last restore point on DR cluster

Step 5

Validate

Application is back and running on a DR cluster

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Ready??