

# Securing Modern Cloud Applications & Infrastructure for Financial Services Companies

#### **Benefits**

- Improve resilience, security, efficiency, and time to market
- Enforce compliance and governance via policy as code
- Meet regulatory compliance standards including PCI, NIST ISO, GDPR, and SOC2
- Reduce risk with a secureby-design platform for containers
- Build a comprehensive DevSecOps solution
- Streamline operations and deliver better customer experiences

Financial services companies have quickly adapted to modern cloud technologies to drive innovation and competitive advantage. Facing a constant risk of security breaches and the demands of stringent compliance standards, DevOps and cloud teams must carefully address security in the new cloud-native world.

Together, Red Hat and Sysdig enable enterprises to confidently run containers, Kubernetes, and cloud. We help FinServ organizations modernize systems, automate processes, and streamline application delivery while improving resilience, security, compliance, and efficiency so you can reduce time to market.

### Red Hat OpenShift Container Platform – Secure by Design

Red Hat<sup>®</sup> OpenShift<sup>®</sup> is an enterprise-ready Kubernetes container platform built for an open hybrid cloud strategy. It gives you the ability to choose where you build, deploy, and run applications through a consistent experience across hybrid cloud, multicloud, and edge.

OpenShift delivers a modern, scalable approach to securing your entire application platform stack, from operating system to container to application. As you move to modern application development, OpenShift helps you decrease your operational risk using built-in policy templates to enforce security and configuration best practices.

## Sysdig Secure DevOps Platform - Seeing is Securing

Managing security is a continuous process. Sysdig helps you meet this challenge by embedding security into your DevOps workflows. The Sysdig Secure DevOps Platform provides a container and cloud security stack built on open source innovation. It enables deep visibility across workloads and multi-cloud infrastructure.

With Sysdig, teams secure the build, detect and respond to threats, continuously validate cloud configurations and compliance, and monitor performance across OpenShift and cloud deployments. Pairing Sysdig with OpenShift, you can deliver a comprehensive DevSecOps solution for your financial service applications with a secure platform and security across the entire container lifecycle – from code to cloud.



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# **Features and Capabilities**

- Secure container deployments: Prevent containers from running as root and enables granular deployment policies that allow operations, security, and compliance teams to enforce quotas, isolation, and access protections.
- Continuous compliance: Visibility and controls help you meet regulatory compliance standards for containers and cloud. Save time with out-of-the-box policies that map to specific compliance controls such as PCI DSS, NIST 800-53, NIST 800-190, ISO 27001, and SOC2. Measure progress with CIS best practice benchmarks.
- **Network security:** Secure multi-tenant networking, fine-grained network control, and encrypted traffic protect sensitive financial data.
- **Infrastructure as code security:** Manage risk when configuring cloud infrastructure by using policy as code. Auto-remediate drift to close the gap from source to production.
- **Vulnerability management:** Automate CI/CD pipeline and registry scanning to detect and block vulnerabilities pre-production. Monitor for new container vulnerabilities and exposures (CVEs) at runtime.
- **Data security:** Enable strong encryption controls to protect sensitive data including platform secrets and application configuration data.
- **Runtime security:** Detect threats across containers, OpenShift, and cloud with out-of-the-box and custom policies based on open source Falco. Automatically remediate with response actions.
- **Container forensics:** Capture in-depth details based on system calls to enable forensics and incident response for containers and OpenShift. Understand security breaches, meet compliance requirements and recover quickly.
- **Deep observability:** Monitor and troubleshoot the health and performance of your clusters, pods, and namespaces. Dig deep with Prometheus-compatible monitoring. Get started quickly with pre-built dashboards, metric views, and topology maps.

#### **About Sysdig**

Red Hat and Sysdig help enterprises confidently run containers, Kubernetes, and cloud. We help FinServ organizations modernize, automate, and streamline application delivery while improving resilience, security, compliance, and efficiency.

#### **About Red Hat**

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Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.



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