



KUBERNETES-NATIVE WEB APPLICATION AND API PROTECTION FOR RED HAT OPENSIFT

AI-Driven KWAAP, API Security, Bot Mitigation, and DDoS Protection for Modern Kubernetes

Red Hat Software Partner

Red Hat and Prophaze Strategic Partnership

Delivering joint solutions for Red Hat OpenShift environments:

Secure:

- ☒ Web Applications
- ☒ APIs
- ☒ Microservices
- ☒ Internal Applications
- ☒ Kubernetes Ingress Traffic

Protect Against:

- ☒ OWASP Top 10
- ☒ API Abuse
- ☒ DDoS Attacks
- ☒ Credential Stuffing
- ☒ Bad Bots

Deploy Across:

- ☒ Red Hat OpenShift (OCP)
- ☒ ARO / ROSA / OSD
- ☒ OpenShift Virtualization
- ☒ Hybrid Cloud
- ☒ Edge Environments

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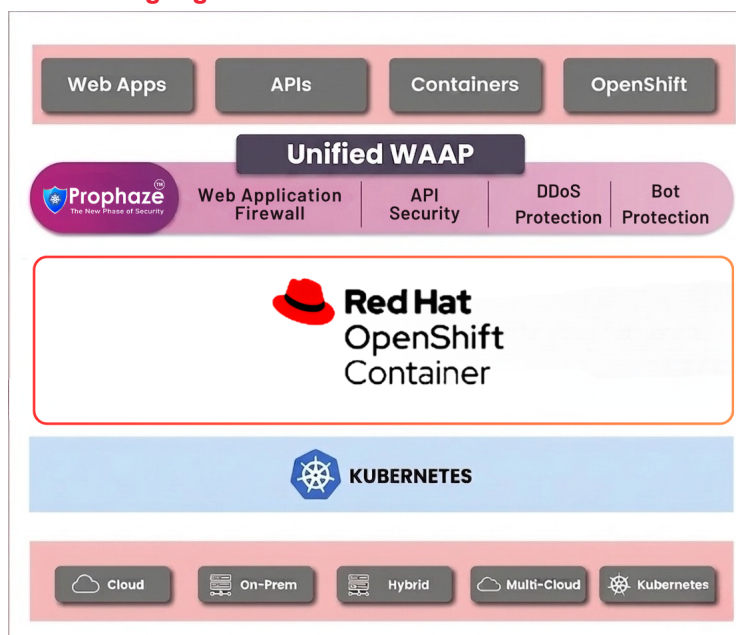
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Enterprise Security for Red Hat OpenShift Applications and APIs

Organizations running cloud-native applications, APIs, and microservices across Red Hat OpenShift clusters require modern security controls capable of defending against evolving threats targeting Kubernetes environments.

Prophaze delivers Kubernetes Web Application and API (KWAAP) protection capabilities with AI-driven behavioral analysis, adaptive profiling, bot mitigation, API protection, and DDoS defense to secure applications deployed across private, public, and hybrid cloud environments, as well as edge environments.

Solution Highlights



KWAAP for Red Hat OpenShift

Enterprise-grade Kubernetes-native WAF and API protection with AI-driven adaptive security, simplified operations, and lightweight deployment.

- Secures ingress traffic, APIs, and microservices with minimal operational overhead
- AI-driven profiling reduces false positives and manual security tuning
- Consistent policy enforcement across all OpenShift cluster editions

Consistent Security Across All Red Hat OpenShift Environments

Unified security architecture spanning on-premises, public cloud, hybrid, and edge deployments:

- Red Hat OpenShift Container Platform, ARO, ROSA, OSD
- OpenShift Virtualization and edge environments
- Centralized visibility, threat analytics, and policy management

AI-Driven Threat Protection and Adaptive Security

Prophaze continuously analyzes application behavior and dynamically adjusts security protections in real time:

- Defends against OWASP Top 10, malicious bots, and zero-day exploits
- Adaptive profiling detects anomalies without manual rule tuning
- Mitigates credential stuffing, fileless malware, and DDoS campaigns

Advanced API Security and Bot Mitigation

Comprehensive API and bot protection for modern Kubernetes applications:

- Secures REST APIs, mobile APIs, and microservice communications
- Behavioral analysis, threat scoring, and browser fingerprinting
- Rate limiting, virtual patching, and real-time monitoring

Security for Internal and External Applications

Comprehensive API and bot protection for modern Kubernetes applications:

- Secures REST APIs, mobile APIs, and microservice communications
- Behavioral analysis, threat scoring, and browser fingerprinting
- Rate limiting, virtual patching, and real-time monitoring

Kubernetes-Native Deployment Architecture

Architected for Kubernetes integrates directly into Red Hat OpenShift clusters:

- Supports ingress-controller and reverse proxy deployment models
- Multi-cluster scaling and hybrid cloud operations
- Aligns with DevSecOps workflows and cloud-native operational practices

Real-Time Visibility and DevSecOps Integration

Centralized security operations across distributed Kubernetes environments:

- Real-time dashboards, live threat analytics, and integrated reporting
- Integrates with SIEM, SOAR, CI/CD, and Kubernetes observability stacks
- API-driven automation for security operations at scale

Secure Modern OpenShift Applications with Confidence

Centralized security operations across distributed Kubernetes environments:

Together, Red Hat and Prophaze deliver KWAAP purpose-built for modern OpenShift environments. By combining Red Hat OpenShift with Prophaze's AI-driven platform, organizations can strengthen application security, simplify operations, and securely accelerate cloud-native modernization across hybrid and multi-cloud infrastructures.



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About Red Hat

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 develop cloud-native applications, integrate existing and new IT applications, and automate and manage complex environments. A trusted adviser to the Fortune 500, Red Hat provides award-winning support, training, and consulting services that bring the benefits of open innovation to any industry.

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