

ENABLE DEVSECOPS WITH RED HAT AND HERZUM

PARTNER SOLUTION BRIEF

338%

Mature DevOps practices are 338% more likely to integrate security across the software development life cycle (SDLC).¹

73%

report that breaches have heightened their interest in security practices.¹

48%

of developers know security is important but do not have enough time to spend on it.¹

INTRODUCTION

To meet the rapidly changing demands of a digital world, organizations must increase the frequency of delivery while sustaining high-quality, new applications. Reliance upon traditional methods of application development and delivery cannot keep pace. Continuous integration with continuous deployment can help meet these demands, but without the proper security, the organization can be vulnerable.

Herzum OnRamp™ to Continuous Delivery provides a ready-to-deploy DevSecOps solution that enables implementation of continuous delivery release automation (CDRA) in a Red Hat® OpenShift® environment. Herzum OnRamp combines Atlassian technologies with Red Hat OpenShift, Red Hat Decision Manager, and Red Hat Ansible® Automation to deliver a complete and secure CDRA practice for any enterprise. This solution lowers the cost and risks associated with digital transformation—while improving time to market.

HERZUM ONRAMP TO CONTINUOUS DELIVERY

Herzum provides seamless processes for build-and-deploy automation that are required to realize the potential of a shippable increment. Atlassian tooling facilitates the definition of workflows to automate review processes as part of a continuous deployment pipeline. Herzum OnRamp framework allows build processes to trigger deployment when continuous integration check-in tasks initiate workflow instances for stakeholder approvals. Once invoked, the release automation expedites and automates deployment while assuring security is not compromised.

Industry best practices include the use of automated vulnerability scanning at build time and during production to detect component-level malware and other vulnerabilities. Newly detected vulnerabilities may be easily remedied once discovered. After deployment, automated log scans are parsed and analyzed by Red Hat Decision Manager to notify development teams of vulnerabilities found after production release. Deployment recommendations or prohibitions can be determined as the result of preprogrammed policy.

DEVSECOPS CONTINUOUS DELIVERY LIFECYCLE

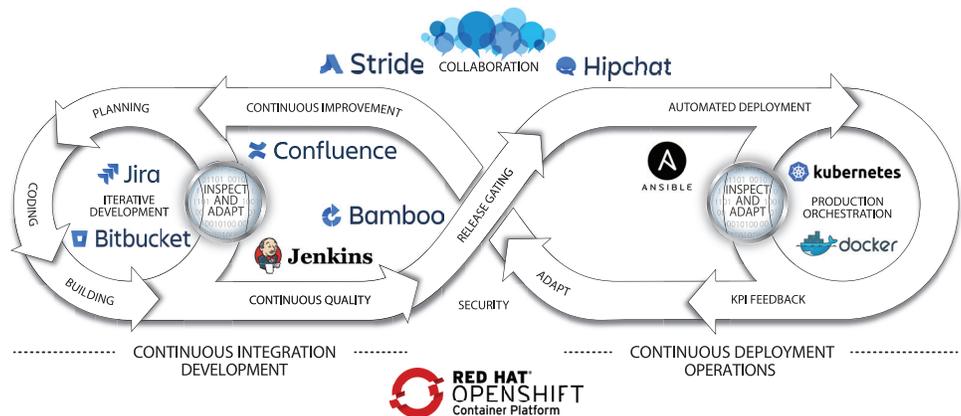
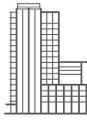


Figure 1. DevSecOps requires a seamless release-and-adapt cadence between development and operations



ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.

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Once in production, users may perform release monitoring. Organizations may set threshold tolerances through Red Hat Decision Manager business rules to automatically trigger Ansible Automation to roll back the defective release. When this roll back occurs, the workflow routes logs and related tickets back to the development organization to facilitate timely remediation. By using business rules automation in a bidirectional flow, the release-and-adapt processes recommended for a continuous delivery pipeline can be fully automated.

RED HAT OPENSIFT CONTAINER PLATFORM

Red Hat OpenShift Container Platform brings Linux® containers and Kubernetes to the enterprise. The platform helps organizations develop, build, deploy, and manage new and existing applications across physical, virtual, or public cloud infrastructures. It accelerates application development with automated workflows that make it easy to move from source code to production-ready container images for deployment. OpenShift Container Platform is built on open source standards and is a secure, proven, and reliable container platform for organizations of any size.

HERZUM AND RED HAT STRATEGIC ALIGNMENT

Herzum is a Red Hat Application Platform Partner with over 10 years of experience with Red Hat solutions. Herzum consultants have the knowledge and experience to help organizations accelerate the implementation of Red Hat technologies.

CONCLUSION

Herzum OnRamp to Continuous Delivery framework enables organizations to accelerate the cultural and process improvements required for DevSecOps. Herzum OnRamp delivers the following benefits to customers:

- Improves time to market by integrating products that connect development and operations, including Atlassian technologies, Red Hat OpenShift, Decision Manager, and Ansible Automation.
- Keeps pace with change by using a continuous application life cycle that allows fast and frequent releases to meet business demands.
- Maintains high-quality releases that include governance and security-lowering risk, improving audit capabilities, and ensuring compliance.

LEARN MORE

Learn more about Herzum OnRamp to Continuous Delivery at www.herzum.com.

ABOUT HERZUM

Herzum is an international consulting firm providing agile and DevOps professional services for almost 20 years. Herzum's experience accelerating the adoption of agile methodologies provides clients a unique way to address both modern and legacy applications. Their passion for automation speeds software development and improves time to market.