

DevSecOps with CloudBees

Shift security everywhere - without sacrificing speed or innovation

Moving Forward to a DevSecOps Future

DevOps and security teams are often seen as being at odds, but that mindset is misguided. Development, security and operations teams are united around a shared objective: software that is always worthy of release.

The current thinking is to “shift security left,” IE: integrate security earlier in the development process. At CloudBees we believe that approach is only part of a defensible security posture for your software delivery lifecycle. We believe you must also secure the pipeline that delivers that code as well as have the ability to immediately mitigate vulnerabilities that are found in production - not just detect them.

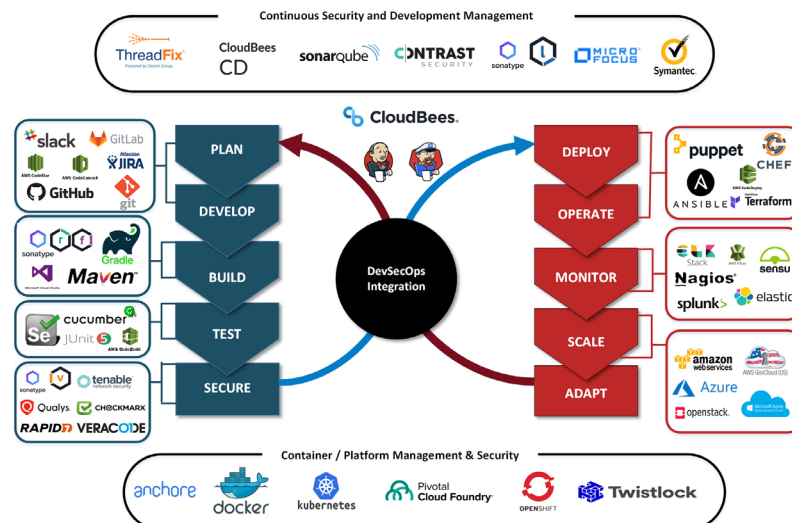
DevSecOps with CloudBees

CloudBees secures your code in development, secures the delivery of your code and protects your code in production. With CloudBees, you can orchestrate and enforce testing and thresholds at each stage. CloudBees provides hardened delivery pipelines that only use immutable, approved components. For the inevitable vulnerabilities in production, CloudBees makes it easy to instantly mitigate defective code with either a feature kill switch or graceful and automated rollbacks.

The result: A quicker path from concept to creation, with fewer vulnerabilities released into production.

DoD-Grade Continuous Integration for the Enterprise

CDepartment of Defense as a key component for its LevelUP DevSecOps initiative. Any agency can now rely on CloudBees to be DoD-grade, and to be worthy of continuous Certificate to Field (CtF).



At a Glance CloudBees CI

- » Complies with DoD cybersecurity accreditations, regulations and frameworks
- » Supports single sign-on (SSO) with Active Directory integration and CAC authentication
- » Includes Role-Based Access Control (RBAC)
- » Integrates with all foundational components of the enterprise DevSecOps toolkit including Kubernetes, Twistlock, Anchore, GitHub, Sonatype, AWS and others

At a Glance with CloudBees CD

- » Supports best practice sharing and audit-ready pipelines
- » Integrate with your existing DevOps tools, including Docker, GitHub, Jenkins, Jira and Azure
- » Fine-grained ACLs and RBAC and automatic auditing of every action
- » Unparalleled reporting and insight into the full pipeline

Requirement	Key Benefits
Integrated tools to enforce compliance with NIST RMF, STIG, FISMA, etc.	<ul style="list-style-type: none"> » 1,600 plugins to orchestrate security tools, enabling automation of compliance checks and enforcement » Standardized, templated workflows enable compliance across the application portfolio. » Proven integrations to most security automation applications, such as Anchore, Alcide.io, CyberArk, Checkmarx, Contrast Security, FOSSA, HashiCorp, RunSafe Security, Shiftleft.io, Snyk, Sonatype, Synopsys, WhiteSource Software and Zimperium.
Automate security checks to reduce the risk of security flaws being introduced into software.	<ul style="list-style-type: none"> » Automatic and manual gates ensure that insecure or non-compliant software does not move downstream
Reduce deployment delays due to extended security and governance approvals.	<ul style="list-style-type: none"> » Operations teams increase release velocity with Integrated approvals, warnings, rejections and remediation. » Empower developers to own the security experience – continuously test code and fix effects – without having to be security experts.
Ensure checks have been completed without extensive documentation to justify system changes..	<ul style="list-style-type: none"> » Continuous assurance that software has passed security screening. » Consistent audit trail showing how an application was built over time.
Provide secure, trustworthy software delivery pipelines	<ul style="list-style-type: none"> » All builds (job runs) are recorded and logged, including who/what originated an action. » Security teams continuously monitor ATO posture by providing visibility into pipelines and security checks. » Cyber organizations shape developer behavior at scale to confidently have an ATO.

Secure Pipelines and Releases with CloudBees CD and CloudBees Feature Management

With fine-grained ACLs and RBAC and automatic auditing of every action, CloudBees CD simplifies governance and enforces compliance with hardened, audit-ready pipelines. That prevent drift and tampering.

With CloudBees Feature Management, new features are quickly pushed to production following an automated process. If issues crop up in production, that specific feature can be immediately pulled back, with full traceability of what happened.

Get Started

www.cloudbees.com/solutions/devsecops