

CloudBees vs GitHub Actions

If you want to drive efficiency and cut costs, it's essential to improve software delivery pipelines and digitize back-office processes. But finding the right CI/CD platform to support those initiatives...? That's a whole different challenge.

Whether you're a Senior DevOps Engineer or leading a Shared Services team, the platform you select will shape the effectiveness of your software delivery and DevOps processes. You have to ask questions like:

- How will the platform integrate with my existing and future workflows?
- Are there specific use cases where certain platforms are better suited?
- How does the platform ensure security throughout the development and deployment process?
- Can the platform provide insights into DORA metrics and business efficiency?

In this one-pager, we address these questions by comparing two popular DevSecOps platforms: CloudBees and GitHub Actions. We'll explore their features and strengths to help you make an informed decision based on your organization's specific needs.

CloudBees vs GitHub Actions: An Overview



CloudBees offers a comprehensive suite of products designed to enhance enterprise software delivery, security, and compliance.

[CloudBees CI](#)

An enterprise Continuous Integration (CI) solution built upon the foundation of the Jenkins engine.

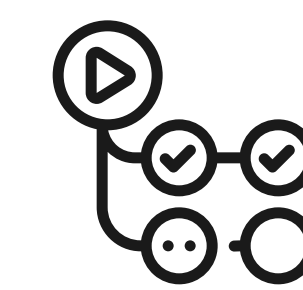
[CloudBees CD/RO](#)

Focusing on Continuous Delivery (CD) and Release Orchestration (RO), this product extends automation to the deployment and release phases.

[CloudBees Platform](#)

A fully managed, cloud-native DevSecOps solution for platform engineers and developers.

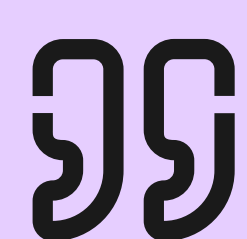
These products work together to provide an integrated DevSecOps solution covering the entire software development lifecycle.



GitHub Actions is a CI/CD platform directly integrated into the GitHub source control environment.

- **Continuous Integration (CI):** GitHub Actions provides workflows to automate the building and testing of code.
- **Continuous Deployment (CD):** After testing, GitHub Actions can automatically deploy applications to various environments, including cloud and on-prem servers.

GitHub Actions enables developers to automate workflows based on repository events such as code pushes, pull requests, or scheduled tasks.



"CloudBees combines the power of Tekton and a container-first environment with the elegance of a GitHub Actions-like language, making it an excellent choice for teams seeking easy container orchestration, advanced scaling, and resource management in cloud-native environments."

Spike Washburn, Chief Architect at CloudBees

Feature Comparison Table

Feature	GitHub Actions	CloudBees CI	CloudBees CD/RO	CloudBees Platform
Core functionality	Continuous Integration (CI), automation, and workflow orchestration	Enterprise-grade CI for enhancing the Jenkins experience	Continuous Delivery (CD), Release Orchestration	Cloud-native DevSecOps platform for CI/CD, Security, and Compliance
Ideal organization size	Small to medium-sized teams	Enterprises with large development teams	Enterprises with advanced release processes	Enterprises with end-to-end CI/CD requirements
Security and Compliance	Basic security features and integration with GitHub security focused on individual repositories and workflows.	Enterprise-grade security and compliance features, with granular RBAC and integration with security scanners.		
Pricing	Free, Team and Enterprise pricing plans	CloudBees CI and CDRO product prices are user-based depending on usage and service configurations		Free, Team, and Enterprise plans
Scalability	Scales with GitHub-hosted runners, though there are limits on self-hosted runners.	High scalability for large teams and projects	Scales for complex, multi-team release processes	Scales across the enterprise, covering CI/CD and security
Issue Tracking	Integrated with GitHub Issues, best for GitHub-centric workflows.	Integrates with tools like Jira, with support for automated rollback across CI/CD processes.		
Analytics and Reporting Systems Analytics	Reporting is focused on individual workflows within the GitHub ecosystem	Extensive analytics with customizable dashboards, predictive analysis, and support for DORA metrics.		
Feature Flags	No support	CloudBees offers a dedicated Feature Management platform (CloudBees Feature Management) specifically designed for feature flagging.		
End-to-End Orchestration Capabilities	Limited to CI/CD pipelines	Provides a dedicated Release Orchestration solution for managing complex, multi-application releases across various environments and tools.		

Conclusion

Whether you're optimizing existing Jenkins workflows or exploring new CI/CD solutions, CloudBees offers unique advantages. CloudBees delivers the enterprise-grade scalability, security, and flexibility that large organizations need to manage complex, multi-cloud environments. If you're ready to take your CI/CD workflows to the next level, now is the perfect time to explore how CloudBees can transform your software delivery.



Talk to an Expert Today
for a personalized demo to see how we can help streamline your development processes and meet your business goals.