

CloudBees CI™

Flexible and governed software delivery automation

While Jenkins® is the leading automation platform for continuous integration (CI) and continuous delivery (CD), enterprises have unique needs. Organizations need to scale CD to a multitude of teams without increasing the administrative burden. In addition, they need to ensure security and compliance without inhibiting productivity. Finally, enterprises have diverse software portfolios that may consist of modern applications utilizing a microservices architecture with containers, as well as legacy applications built on outdated technology. Although there are a range of application types ranging from legacy to modern and many more in-between, they can all benefit from one CI/CD solution.

The solution for these requirements is CloudBees CI – a CI automation engine with the flexibility to support diverse software portfolios and provide the unified governance required by growing organizations. Based on Jenkins, CloudBees CI

extends Jenkins with functionality that embeds best practices, rapid onboarding, security and compliance. It provides a shared, centrally-managed CI/CD service but delivers a self-service experience for engineering teams.

CloudBees CI can be deployed on-premise or hosted on a cloud service provider. CloudBees CI on traditional platforms is intended for on-premise deployment – it offers centralized management, security and compliance. This is a great fit for organizations with tight regulatory requirements or have not adopted Kubernetes and Docker. CloudBees CI on modern cloud platforms is a cloud native CI solution that leverages Kubernetes and includes an elegant UX for rapid onboarding and configuration. Customers benefit from the ability to run workloads for a range of application types on a scalable and highly available CloudBees CI cluster.

Jenkins Dominates the CI and DevOps Space

- » Over 60% of Java professionals surveyed use Jenkins*.
- » Many DevOps teams require levels of pipeline resiliency, security and availability than is available in Jenkins.
- » Over 1,400 Jenkins community plugins provide integrations with third-party technologies or add new capabilities.
- » Advanced continuous delivery and DevOps automation capabilities with Jenkins Pipeline.

As with all business-critical infrastructure, you need technical support and enterprise features to ensure on-time delivery with minimal risk.

* <https://zeroturaround.com/rebellabs/java-tools-and-technologies-landscape-2016/>

“With the CloudBees, we are delivering more complex, larger projects more quickly.”

Adam Rates
Head of Strategy and Architecture
Allianz Insurance

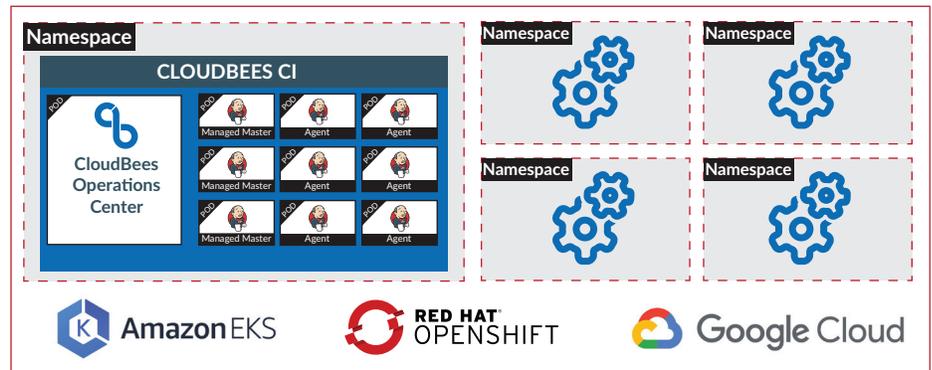
On-board teams and configure masters in a few clicks.



Architectural Overview

CloudBees CI on modern cloud platforms runs natively inside a Kubernetes namespace. Masters and agents are managed within CloudBees Jenkins Operations Center. They are provided as Docker images and deployed in pods, are failure resistant and can be dynamically scaled. Deep integrations with cloud service providers (Amazon EKS, Azure AKS, Google Anthos, Anthos on Prem and Red Hat OpenShift Container Platform) allow the IT operations team to follow

standard protocols to deploy and manage CloudBees CI like any other business-critical application. The IT operations team can provision a CloudBees CI cluster in seconds and configure tight access controls to conform to IT security standards.



Features and Benefits

KEY FEATURES	KEY BENEFITS
Simplified Management <ul style="list-style-type: none"> » Elegant, intuitive user experience. » CloudBees Jenkins Operations Center. » CLI (Kubectl) and YAML integration. » Pipeline enhancements (cross-pipeline collaboration). 	Self-Service Continuous Delivery <ul style="list-style-type: none"> » Quickly onboard teams and provision masters with a few clicks. » Optimize resource utilization by centrally managing Jenkins masters. » Install and manage CloudBees CI directly through Kubernetes.
Security and Compliance <ul style="list-style-type: none"> » CloudBees Role-Based Access Control. » Folders Plus (limit agents to only execute jobs within specific folders). » Pipeline templates. 	Powerful Control of Pipelines and Jobs <ul style="list-style-type: none"> » Provides a very sophisticated authorization strategy. » Restrict jobs to specific agents so credentials are not misused.
Support Modern and Legacy Applications <ul style="list-style-type: none"> » Legacy applications can utilize the power of a Kubernetes engine for CI/CD workloads. » Integrates with on-premise and SaaS tools. » Bridge datacenters in different geographies. 	Continuous Delivery for All Your Applications <ul style="list-style-type: none"> » Utilize one CI/CD solution for all your applications – not just modern applications! » Develop and deploy applications to the cloud or on-premise. » Enable development teams across multiple geographies to collaborate on a single cluster.
Leverages Kubernetes and Docker <ul style="list-style-type: none"> » Autoscales up and down, on demand, with elasticity at the cluster level. » Self-healing, continuous health checks identify failing pods and spin up replacements as needed. » Dockerized components run natively in a Kubernetes namespace. 	Cloud Native <ul style="list-style-type: none"> » Access an unlimited number of Jenkins masters and agents to run any number of tests, builds and orchestrations. » Scale down automatically to realize cost savings and comply with policies. » Ensure that critical CI pipelines are resilient to failure and available when needed.

Schedule a Demo Today

Get started right away with a free trial of CloudBees CI
www.cloudbees.com/get-started