

CloudBees Core

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of modern applications utilizing a microservices architecture with containers, as well as legacy applications built on outdated technology.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 answer to these needs is CloudBees Core™ - a CI/CD automation engine with the flexibility to support diverse software portfolios and the unified governance required by growing organizations. Based on Jenkins, CloudBees Core 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 Core can be deployed on-premise or hosted on a cloud service provider. CloudBees Core 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 Core on modern cloud platforms is a cloud native CI/CD 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 Core cluster.

JENKINS DOMINATES THE CD 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

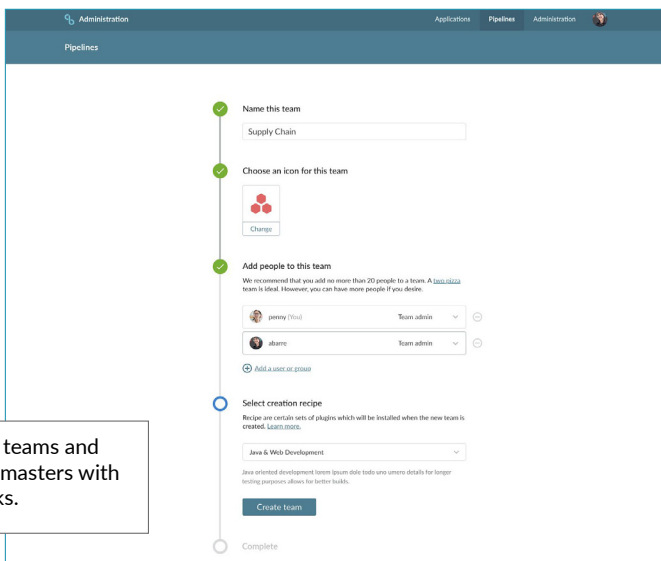
As with all business-critical infrastructure, you need technical support and enterprise features to ensure on-time delivery with minimal risk.

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

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

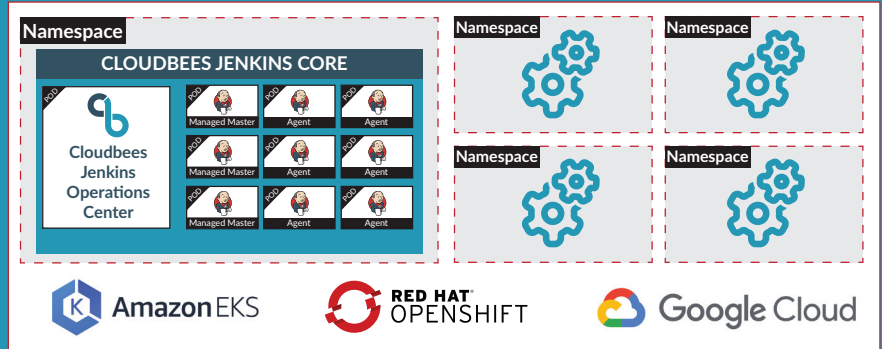
Adam Rates, head of strategy and architecture, Allianz Insurance

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



Architectural Overview

CloudBees Core on modern cloud platforms runs natively inside a Kubernetes namespace. Components such as CloudBees Jenkins Operations Center™, managed masters and agents are provided as Docker images and deployed in pods, so that they can be dynamically scaled and are resilient to failures. Deep integrations with cloud service providers (Amazon EKS, Azure AKS, Google GKE and Red Hat OpenShift Container Platform) allow the IT operations team to follow standard protocols to deploy and manage CloudBees Core like any other business-critical application. The IT operations team can provision a CloudBees Core 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 (KubectI) 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 Core 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/CD pipelines are resilient to failure and available when needed

Schedule a Demo

Get started right away with a free trial of CloudBees Core

www.cloudbees.com/get-started



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