

Five reasons why enterprises using Jenkins® adopt CloudBees CI

Jenkins® is one of the most widely used open-source automation servers for continuous integration (CI) and continuous delivery (CD), with over 1,800 plugins and an active contributor community. Teams can run it on-premises, in the cloud, or on Kubernetes, connect it to nearly any tool in their stack, and define pipelines as code. That's why it sits at the center of so many enterprise software factories.

Those factories are changing. Coding agents are writing more of the code in every pipeline, and delivery systems sized for people are now carrying agent-scale volume. As a result, the bottleneck has moved downstream, to building, testing, and validating every change before it reaches production. In the [CloudBees State of Code Abundance 2026](#) report, 70% of teams say maintaining the test suite is now a bigger burden than writing the code.

For Jenkins shops, that pressure lands on CI first. Enterprises need to scale CI across their organization without increasing the administrative burden, and make sure every change, whoever or whatever wrote it, meets security and compliance requirements.

As the #1 corporate sponsor of the Jenkins project, we understand what enterprises need from Jenkins at scale. That's why we built CloudBees CI, the enterprise version of the Jenkins you already run: supported, secured, and built to scale. At its core, it runs Jenkins. Around it, we add the central management, security, and compliance controls that large organizations depend on.

Scaling CI doesn't have to mean a big-bang migration away from Jenkins. CloudBees CI works with the Jenkins you already run, so your pipelines and team expertise carry over, and your plugins move to tested, supported versions. Administrators get one place to manage it all, and developers get workload isolation and autonomy so they can focus on building.

Jenkins dominates the CI/CD space

Over

70%

of Java professionals surveyed use Jenkins*

Over

1,800

Jenkins community plugins provide integrations with third-party technologies or add new capabilities.

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

* Global Market Insights, BusinessWire, Evans Data, Continuous Delivery Foundation, ASG Survey



Centralized Management

With Operations Center, Jenkins administrators can manage multiple controllers, projects, and teams from one place: one CI estate, owned by your team. That keeps administration simple, even as the number of pipelines grows. Development teams can stand up their own Jenkins instance and tools, with support and maintenance handled centrally by admins.

Likewise, plugins can be managed centrally, ensuring that each team has the integrations they need without any platform stability concerns. The result is one governed path to production for every team, without slowing any of them down.



Built-In Security

Enterprises can onboard new projects and teams quickly. A pre-configured security model, including single sign-on (SSO), works out of the box. Role-based access controls allow for even finer control of access to pipelines and jobs. These controls apply to every account, human or automated, reducing the risk of unintended changes reaching production, whether proposed by a developer or a coding agent.

CloudBees CI also provides a trusted, validated version of Jenkins. Through the CloudBees Assurance Program and Beekeeper, plugins are vetted, CVEs are handled, and updates are shipped to you. Because we know exactly which versions you're running, we can reproduce and fix build issues faster, so administrators spend less time debugging. If you run CloudBees CI on Kubernetes, we provide a signed, security-hardened container image. Your team can verify it came from us and doesn't have to build and lock down its own.



Horizontal Scalability and High Availability

More code means more builds and more tests. CloudBees CI spreads builds across multiple controllers and agents, so you can add capacity as demand grows. With active-active high availability, multiple copies of a controller run at once, so if one fails, the others keep builds running. High availability is scoped to your environment and plugin set, so we plan it with you up front.

On Kubernetes, CloudBees CI starts new build agents on demand and shuts them down when the work is done, so capacity grows and shrinks with your workload. If something crashes, Kubernetes restarts it automatically. Teams can run large volumes of builds and tests in parallel without waiting in a queue.

Compute costs shouldn't climb with every commit. On Kubernetes, idle controllers can hibernate automatically and wake up again as soon as new work arrives, so you stop paying for capacity no one is using. At the organization level, every team runs on its own virtual Jenkins controller, helping to reduce infrastructure constraints. It also means that if a controller fails, the impact is isolated to that project or team.



Compliance

As CI practices mature and change volume grows, the bar for security and governance rises with them. When a regulator, a board, or a customer asks who stood behind a change, you need an answer. That's hard to give when every team configures its own environment, and standards drift, and harder still now that AI agents are proposing and making changes alongside developers.

With CloudBees CI, new teams start from your organization's approved setup, so they're compliant from their first build. The same access controls that protect your pipelines can also enforce separation of duties, so the person who writes a pipeline isn't the one who approves it.

Every team environment is defined by centrally managed configuration-as-code (CasC) bundles. These can include standard pipeline templates, so required steps like security scans and approvals are built into every team's pipeline. Humans define the policy once, and it applies to every change that runs through those pipelines, whether a developer or an agent wrote it. Developers stay focused on the code they're building, and security and compliance teams get consistent controls without slowing delivery.



Expert Support

Many of the Jenkins project's key contributors work at CloudBees, and every fix we make to the open-source code goes back to the community. Customers rely on us not just for on-demand technical help but also for best practices in scaling software delivery and access to online Jenkins training. When you call us for support, you get a Jenkins specialist who uses the product and knows how it works.

With CloudBees, enterprises can count on a stable CI environment for every development workload, even as the volume of changes keeps growing. And when that volume lands on your test suite next, CloudBees Smart Tests runs only the tests each change touches, so feedback comes back in minutes.

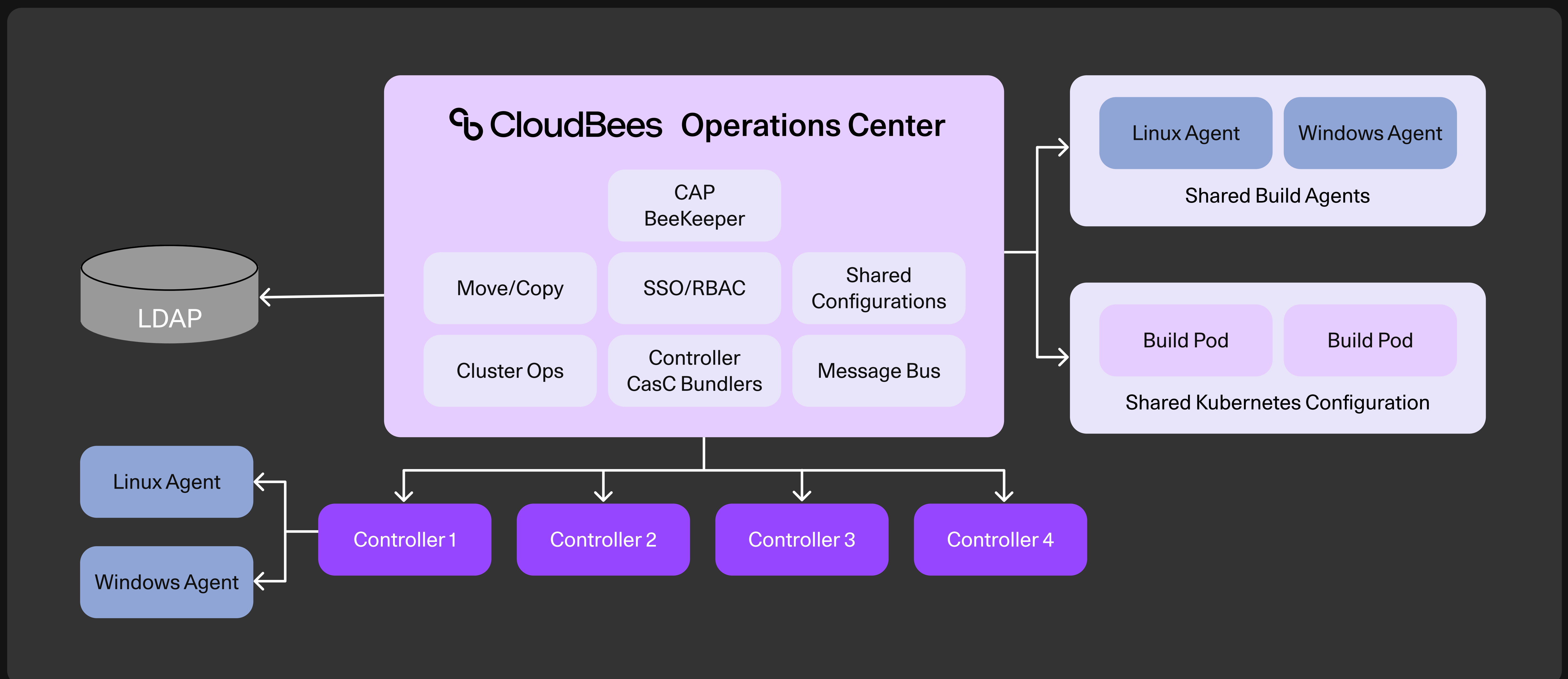


Figure 1. CloudBees CI: Architecture and Components



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