

Biggest Update to Performance and Scalability for Jenkins in a decade!

Jenkins® is widely recognized for its flexibility, making it one of the most popular build orchestrators today. Creating a secure, scalable, and high-performing Jenkins environment for large organizations with complex toolchains is no small feat. That's why CloudBees is helping development teams address these challenges head-on by offering high availability, horizontal scalability, and other performance-enhancing features to Jenkins.



Finally, High Availability for Jenkins!

Transform your Jenkins environment into a powerhouse of high availability and horizontal scalability. Say goodbye to bottlenecks that hinder administrators and developers while scaling CI/CD workloads on Jenkins. With accelerated builds, effortless debugging, and enhanced performance, experience smoother software delivery and minimal downtime. Don't let outages or maintenance slow you down - implement HA/HS for uninterrupted success.



Move Faster

Remove the toil of debugging pipelines and waiting on builds with Pipeline Explorer and Workspace Caching



Stay Resilient

Eliminate downtime and ensure continuity even during unexpected losses with Active-Active High Availability



Automate at Scale

Automatically spread workloads across controller replicas with Horizontal Scalability

Experience Jenkins for the Enterprise



Key Features

Benefits

High Availability

- Active-Active high availability
- Creates replicas for controllers to solve the single point of failure problem
- Available on both modern and traditional platforms

Continuous Uptime

- Avoid single point of failure
- Reduce or Eliminate Downtime
- Keep services up and running even during infrastructure updates with rolling restarts

Horizontal Scalability

- Load balances the workload across replicas to avoid possible overloads
- Automatically scales replicas up or down based on input metrics
- Available on both modern and traditional platforms

Automatic Scalability

- Load balances the workload between controller replicas to avoid performance problems
- Full horizontal scalability if your cluster needs more replicas of a specific controller due to a heavy workload
- Transform overloaded, under performing monolith into a stable and performant controller

CloudBees Pipeline Explorer

- Focused Troubleshooting with Issue Explorer
- Clear Overview and Filtering capabilities
- Built-in Search

Pipeline Debugging at Scale

- Scalable and Performant tool to troubleshoot pipelines (don't waste time waiting on slow tools to load log files & update the UI)
- Issue Explorer to get right to the issues in the log quickly and easy sharing of info for collaborative troubleshooting
- Built-in Search for less context switching and quick searches

Workspace Caching

- Reuse cached artifacts from previous builds
- Download a tarball of dependencies from cache on S3 or similar

Faster Builds

- Faster builds by reusing cached artifacts from previous builds
- Fast Feedback for developers on PR while they iterate adding changes, or fixing problems
- Optimizes resource allocation by reducing the provisioning time and associated costs of ephemeral agents

“ Pretty exciting stuff CloudBees have managed to pull off! Horizontal scaling (and therefore high availability) of Jenkins!

 Launchable

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