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BA

Build Automation

A Peek Into What Real Users Think

September 2017

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Vendor Directory

Atlassian	Bamboo
Circle CI	Circle CI
CloudBees	CloudBees
Codeship	Codeship
DBmaestro	DBmaestro Database Release and Automation
GNU	GNU Make
IBM	IBM Rational Build Forge
Jenkins	Jenkins
JetBrains	JetBrains TeamCity
OpenMake Software	OpenMake Software OpenMake

Oracle	Oracle Hudson CI
SemaphoreCI	SemaphoreCI
Shippable	Shippable
Solano Labs	Solano CI
Thoughtworks	Thoughtworks Go
Travis CI	Travis CI
Wercker	Wercker
XebiaLabs	XL Release
ZeroTurnaround	ZeroTurnaround JRebel

Top Build Automation Solutions

Over 226,164 professionals have used IT Central Station research. Here are the top Build Automation vendors based on product reviews, ratings, and comparisons. All reviews and ratings are from real users, validated by our triple authentication process.

Chart Key

● Views	● Comparisons	● Reviews	● Followers	● Average Rating
Number of views	Number of times compared to another product	Total number of reviews on IT Central Station	Number of followers on IT Central Station	Average rating based on reviews

Bar length

The total ranking of a product (i.e. bar length) is based on a weighted aggregate ranking of that product's Views (weighting factor = 17.5%), Comparisons (17.5%), Reviews (17.5%), Followers (17.5%), and Average Rating (30%). Reviews and ratings by resellers are excluded from the rankings. For each ranking factor, the score (i.e. bar segment length) is calculated as a product of the weighting factor and its position for that ranking factor. For example, if a product has 80% of the number of reviews compared to the product with the most reviews in its category, then the product's bar length for reviews would be 17.5% (weighting factor) * 80%.

1 Jenkins



2 JetBrains TeamCity



3 Bamboo



4 Circle CI



5 Thoughtworks Go



6 Travis CI



8,976 views

6,120 comparisons

0 reviews

509 followers

7 IBM Rational Build Forge



2,390 views

2,168 comparisons

0 reviews

527 followers

8 CloudBees



4,890 views

3,476 comparisons

0 reviews

268 followers

9 Codeship



1,025 views

846 comparisons

0 reviews

254 followers

10 ZeroTurnaround JRebel



1,284 views

632 comparisons

0 reviews

247 followers

Top Solutions by Ranking Factor

Views

SOLUTION		VIEWS
1	Bamboo	40,800
2	Jenkins	35,801
3	JetBrains TeamCity	34,457
4	Travis CI	8,976
5	Thoughtworks Go	8,355

Reviews

SOLUTION		REVIEWS
1	Jenkins	4
2	JetBrains TeamCity	3
3	Circle CI	1
4	IBM Rational Build Forge	0
5	GNU Make	0

Followers

SOLUTION		FOLLOWERS
1	Thoughtworks Go	1,248
2	Jenkins	988
3	Bamboo	704
4	JetBrains TeamCity	660
5	IBM Rational Build Forge	527



Overview

Jenkins is an award-winning application that monitors executions of repeated jobs, such as building a software project or jobs run by cron.

SAMPLE CUSTOMERS

Airial, Clarus Financial Technology, cubetutor, Metawidget, mysocio, namma, silverpeas, Sokkva, So Rave, tagzbox

TOP COMPARISONS

Bamboo vs. Jenkins ... Compared 28% of the time

JetBrains TeamCity vs. Jenkins ... Compared 23% of the time

IBM Rational Build Forge vs. Jenkins ... Compared 10% of the time

REVIEWERS *

TOP INDUSTRIES

Financial Services Firm ... 19%
Manufacturing Company ... 13%
Comms Service Provider ... 10%
Media Company ... 8%

COMPANY SIZE

1-200 Employees ... 20%
201-1000 Employees ... 15%
1001+ ... 65%

VISITORS READING REVIEWS *

COMPANY SIZE

1-200 Employees ... 45%
201-1000 Employees ... 18%
1001+ ... 36%

* Data is based on the aggregate profiles of IT Central Station Users reviewing and researching this solution.

**Jenkins**

Continued from previous page

Top Reviews by Topic



VALUABLE FEATURES



Michelle XIE

Jenkins: pipeline/delivery pipeline and we can use shell script in the configuration. Jenkins has a lot of plugins. TeamCity: We can run automaton tests. [\[Full Review\]](#)



IMPROVEMENTS TO MY ORGANIZATION



Anurag Harsh

It provides a very user-friendly methodology to build applications. It can be very easily integrated with your repository containing the source code. It builds your applications in a user-friendly manner by just adding the repository URL. [\[Full Review\]](#)



Michelle XIE

CI tools such Jenkins and TeamCity, totally helps our release and tests. It saves our money, time and labour cost. And make release/delivery of the our product more visible. It drives the development team and other departments's ambition. [\[Full Review\]](#)



Triangle

We work on distribution, and are required to build and test packages frequently. Using Jenkins we have configured (generic) and automated the complete build procedure. [\[Full Review\]](#)



ROOM FOR IMPROVEMENT



Anurag Harsh

One needs to be very careful with the POM file as it takes all the dependencies from the POM to build the application. I would not call it a drawback but a caution. [\[Full Review\]](#)



Michelle XIE

For Jenkins: It needs to have less bugs. I do not how they test the plugins, but sometimes, the plugins have issues. I have no time to check where to report the issue. For TeamCity: It need to be cheaper. [\[Full Review\]](#)



Jenkins

Continued from previous page



Aleksandar
Dimitrievski

They need more useful tutorials about how to write database related plugins. It also needs a "run only" option without option for changing job configuration. [\[Full Review\]](#)



Triangle

* There's a plugin Monitoring which have certain issues with some versions of Jenkins * Jenkins user login and authorization case-insensitive, eg: if user John is given authorization permission then JOHN, JoHN, johN etc. all should be authorized. * Disabling of cancel permissions to some users in Jenkins is still not working, even if we uncheck the cancel permissions. If build permissions are given to that user, cancel permissions are granted automatically * Plugin to disable Back button navigation in Jenkins# * Uploading multiple files using patch ... [\[Full Review\]](#)



Overview

TeamCity is a Continuous Integration and Deployment server that provides out-of-the-box continuous unit testing, code quality analysis, and early reporting on build problems. A simple installation process lets you deploy TeamCity and start improving your release management practices in a matter of minutes. TeamCity supports Java, .NET and Ruby development and integrates perfectly with major IDEs, version control systems, and issue tracking systems.

SAMPLE CUSTOMERS

Toyota, Xerox, Apple, MIT, Volkswagen, HP, Twitter, Expedia

TOP COMPARISONS

Bamboo vs. JetBrains TeamCity ... Compared 38% of the time

Jenkins vs. JetBrains TeamCity ... Compared 32% of the time

Travis CI vs. JetBrains TeamCity ... Compared 9% of the time

REVIEWERS *

TOP INDUSTRIES

Financial Services Firm ... 20%

Manufacturing Company ... 16%

Comms Service Provider ... 8%

Media Company ... 8%

COMPANY SIZE

1-200 Employees ... 22%

201-1000 Employees ... 17%

1001+ ... 61%

VISITORS READING REVIEWS *

TOP INDUSTRIES

Financial Services Firm ... 22%

Media Company ... 22%

Energy/Utilities Company ... 11%

Comms Service Provider ... 11%

COMPANY SIZE

1-200 Employees ... 33%

201-1000 Employees ... 25%

1001+ ... 42%

* Data is based on the aggregate profiles of IT Central Station Users reviewing and researching this solution.

Top Reviews by Topic



VALUABLE FEATURES



Debra
Crump

* Centralized build automation * Ability to embed powershell scripts for automated deployments * Auditability of builds * Unit tests * Smoke tests * Automated deployments [\[Full Review\]](#)



MarkRobertJ
ohnson

Features I really like: Branch builds for Git repositories, shared resource locking, customization via plugins and meta-runners, and storing build configurations per-branch for Git code repositories. [\[Full Review\]](#)



IMPROVEMENTS TO MY ORGANIZATION



Debra
Crump

Continuous integration has reduced build failures and highlighted issues sooner. Automated deployments of web services, database scripts and applications chained across all environments has minimized time and effort, sped up delivery time, reduced risk of human error and enabled automated communication to stakeholders via integration with JIRA for release notes. [\[Full Review\]](#)



MarkRobertJ
ohnson

TeamCity allows us to have self-sufficient development teams that can create their own builds (<https://www.itcentralstation.com/categories/build-automation>) and deployments. TeamCity has really allowed us to embrace continuous integration (even running full CI on all code branches with no extra effort). [\[Full Review\]](#)



ROOM FOR IMPROVEMENT



MarkRobertJ
ohnson

Features I would like to see in TeamCity: Allow for shared resource locks across multiple build configurations (i.e. deploy then run integration tests against the same environment). Allow shared resource locks to accept parameters for dynamic assignment of locks. [\[Full Review\]](#)



Overview

Bamboo is a continuous integration and delivery tool that ties automated builds, tests and releases together in a single workflow. It works great alongside JIRA and Stash providing a fully traceable deployment pipeline.

SAMPLE CUSTOMERS

Neocleus, MuleSoft, Interspire

TOP COMPARISONS

Jenkins vs. Bamboo ... Compared 33% of the time

JetBrains TeamCity vs. Bamboo ... Compared 33% of the time

Travis CI vs. Bamboo ... Compared 7% of the time

REVIEWERS *

TOP INDUSTRIES

Financial Services Firm ... 24%

Manufacturing Company ... 10%

Comms Service Provider ... 7%

Media Company ... 6%

COMPANY SIZE

1-200 Employees ... 29%

201-1000 Employees ... 15%

1001+ ... 55%

* Data is based on the aggregate profiles of IT Central Station Users reviewing and researching this solution.



Continued from previous page

Top Reviews by Topic



VALUABLE FEATURES



Jan
Swaelens

We are very fond of the flexibility it offers in terms of setting up our builds. We have a wide variety of components we need to build which often require custom actions or manipulations using in house technology. Bamboo allows us to set this up quite easily by the flexible configuration features it includes. Secondly we really like the integration of the build aspect and deploy aspect. One of the recent major releases included this feature to link build and deploy projects together allowing a deployment pipe-line to be setup completely in Bamboo. T... [\[Full Review\]](#)



IMPROVEMENTS TO MY ORGANIZATION



Jan
Swaelens

Thanks to Bamboo we are able to build changes made by development quite quickly and allow them to deploy to our internal environments when needed (as well as automated during the night). This significantly reduces the effort required to get something into test. The fact that all builds use a unified setup and infrastructure makes it much easier to control and adapt the ever increasing number of builds. [\[Full Review\]](#)



ROOM FOR IMPROVEMENT



Jan
Swaelens

We are lacking proper support for branched builds using multiple source repositories. The current approach is quite clunky (or non-existent) but it seems there is something in the pipe line for the end of the year according to a recent post on the Bamboo Jira. [\[Full Review\]](#)



PRICING, SETUP COST AND LICENSING



Jan
Swaelens

We started out using only a number of agents and moved to a bigger setup using many remote agents over the years. The cost depends on the agents used and amount of boxes deployed to run them on. [\[Full Review\]](#)



Overview

CircleCI's continuous integration and delivery platform helps software teams rapidly release code with confidence by automating the build, test, and deploy process. CircleCI offers a modern software development platform that lets teams ramp quickly, scale easily, and build confidently every day.

SAMPLE CUSTOMERS

Shopify, Zenefits, Concur Technologies, CyberAgent

TOP COMPARISONS

Jenkins vs. Circle CI ... Compared 17% of the time

Bamboo vs. Circle CI ... Compared 15% of the time

Travis CI vs. Circle CI ... Compared 11% of the time

* Data is based on the aggregate profiles of IT Central Station Users reviewing and researching this solution.



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Top Reviews by Topic



VALUABLE FEATURES



Michelle XIE

Since I am an automation developer, I use selenium a lot. It is quite easy to run the tests in circleCI. Without using browserstack or saucelabs or xvfb, circleCI pre-installed chrome/chrome driver and firefox for you. It is quite good. And it is fast to setup everything. My learning curve of circle is shorter than jenkins and teamcity. [\[Full Review\]](#)



ROOM FOR IMPROVEMENT



Michelle XIE

1. The feature of building CD pipeline as Jenkins: I confirmed with circleCI, this is in their to-do list 2. customized view of the pipeline and builds. 3. different triggers for the build, not only trigger by the github updates 4. If they can provide more examples in the documents? But I can find the examples in the discussion board anyway. [\[Full Review\]](#)



Overview

Go is a critical piece of your infrastructure. Go's OSS distribution uses an embedded database. That's great for getting started. But, if you need to scale beyond a few teams and several pipelines, our PostgreSQL plugin gives you the performance upgrade necessary for hundreds of pipelines and agents.

SAMPLE CUSTOMERS

Lufax.com, Zopa, Manheim, Bresic Whitney, Kaplen, comparethemarket.com, Loof, iproperty.com, Rosetta Stone

TOP COMPARISONS

Jenkins vs. Thoughtworks Go ... Compared 9% of the time
Bamboo vs. Thoughtworks Go ... Compared 7% of the time
UrbanCode Deploy vs. Thoughtworks Go ... Compared 6% of the time

REVIEWERS *

TOP INDUSTRIES

Software R&D Company ... 15%
Financial Services Firm ... 14%
Energy/Utilities Company ... 11%
Engineering Company ... 9%

COMPANY SIZE

1-200 Employees ... 38%
201-1000 Employees ... 14%
1001+ ... 48%

* Data is based on the aggregate profiles of IT Central Station Users reviewing and researching this solution.





Travis CI

Overview

Easily sync your GitHub projects with Travis CI and you'll be testing your code in minutes. Travis CI for private repositories has plans for every size project. With Travis CI testing your open source project is 100% free.

SAMPLE CUSTOMERS

Facebook, Heroku, Mozilla, Zendesk, twitter, Rails

TOP COMPARISONS

JetBrains TeamCity vs. Travis CI ... Compared 21% of the time

Bamboo vs. Travis CI ... Compared 20% of the time

Jenkins vs. Travis CI ... Compared 17% of the time

* Data is based on the aggregate profiles of IT Central Station Users reviewing and researching this solution.

IBM. IBM Rational Build Forge

Overview

IBM Rational Build Forge is an adaptive execution framework that helps automate and standardize the software assembly process. Rational Build Forge helps teams standardize repetitive tasks, improve software quality and manage compliance mandates. This software scales to 25 seats. Rational Build Forge delivers:

Flexibility—gives developers self-service access to preconfigured build processes from within their integrated development environment (IDE). You can add IBM Rational software products to further enhance automation, reporting and integration.

Productivity—accelerates build and release cycles through iterative development, parallel processes and efficient use of hardware.

Compliance—simplifies compliance management with self-docu... [\[Read More\]](#)

SAMPLE CUSTOMERS

Cars.com

TOP COMPARISONS

Jenkins vs. IBM Rational Build Forge ... Compared 44% of the time

Bamboo vs. IBM Rational Build Forge ... Compared 11% of the time

Oracle Hudson CI vs. IBM Rational Build Forge ... Compared 5% of the time

* Data is based on the aggregate profiles of IT Central Station Users reviewing and researching this solution.



Overview

The CloudBees is the industry's most proven, fully featured technology platform for implementing continuous integration (CI) and continuous delivery (CD). CI and CD help you deliver better software faster by automating the software delivery lifecycle allowing faster delivery of new applications and features to meet the needs of organization. While CI lets you automate the software build, scan and test process, CD automates the full application delivery pipeline taking new features and code from development to staging to production.

SAMPLE CUSTOMERS

Axiom, ARTstor, Choose Digital, Dominion Marine Media, Egraphs, Inc., Global Bank, jclouds, Movellas

TOP COMPARISONS

Jenkins vs. CloudBees ... Compared 24% of the time

Bamboo vs. CloudBees ... Compared 9% of the time

Heroku vs. CloudBees ... Compared 6% of the time

REVIEWERS *

TOP INDUSTRIES

Manufacturing Company ... 18%

Transportation Company ... 16%

Construction Company ... 14%

Media Company ... 13%

* Data is based on the aggregate profiles of IT Central Station Users reviewing and researching this solution.





Codeship

Overview

Codeship is a fully customizable Continuous Integration Platform with native Docker support. Codeship gives you complete control over customizing and optimizing your CI and CD workflow. Choose which steps should run sequentially or in parallel, how many concurrent builds you want to run simultaneously among your account and get full control over which dependency version you want to run for each step or when to delete your dependencies and the cache. Codeship can provide complete developer autonomy. If you can run it in a Docker container, Codeship can run it for you.

SAMPLE CUSTOMERS

Product Hunt, Bannerman, LendingCrowd, GameHouse Promotion Network, Mixcloud, qunb, Usetrace, Frontback

TOP COMPARISONS

Jenkins vs. Codeship ... Compared 10% of the time

Bamboo vs. Codeship ... Compared 8% of the time

JetBrains TeamCity vs. Codeship ... Compared 8% of the time

* Data is based on the aggregate profiles of IT Central Station Users reviewing and researching this solution.



ZeroTurnaround JRebel

Overview

JRebel is a JVM Java Agent that integrates with application servers, making classes reloadable with existing class loaders. Only changed classes are recompiled and instantly reloaded in the running application. JRebel plugs into IDEs and build systems. Classes and static resources are loaded straight from the workspace.

SAMPLE CUSTOMERS

MS Learning & Consulting, NetworkedAssets, Vaadin Ltd, Heliocentris, Result Group

TOP COMPARISONS

Jenkins vs. ZeroTurnaround JRebel ... Compared 17% of the time

Bamboo vs. ZeroTurnaround JRebel ... Compared 10% of the time

CloudBees vs. ZeroTurnaround JRebel ... Compared 8% of the time

* Data is based on the aggregate profiles of IT Central Station Users reviewing and researching this solution.



About this report

This report is comprised of a list of enterprise level Build Automation vendors. We have also included several real user reviews posted on ITCentralStation.com. The reviewers of these products have been validated as real users based on their LinkedIn profiles to ensure that they provide reliable opinions and not those of product vendors.

About IT Central Station

The Internet has completely changed the way we make buying decisions. We now use ratings and review sites to see what other real users think before we buy electronics, book a hotel, visit a doctor or choose a restaurant. But in the world of enterprise technology, most of the information online and in your inbox comes from vendors but what you really want is objective information from other users.

We created IT Central Station to provide technology professionals like you with a community platform to share information about enterprise software, applications, hardware and services.

We commit to offering user-contributed information that is valuable, objective and relevant. We protect your privacy by providing an environment where you can post anonymously and freely express your views. As a result, the community becomes a valuable resource, ensuring you get access to the right information and connect to the right people, whenever you need it.

IT Central Station helps tech professionals by providing:

- A list of enterprise level Build Automation vendors
- A sample of real user reviews from tech professionals
- Specific information to help you choose the best vendor for your needs

Use IT Central Station to:

- Read and post reviews of vendors and products
- Request or share information about functionality, quality, and pricing
- Contact real users with relevant product experience
- Get immediate answers to questions
- Validate vendor claims
- Exchange tips for getting the best deals with vendors

IT Central Station

244 5th Avenue, Suite R-230 • New York, NY 10001

www.ITCentralStation.com

reports@ITCentralStation.com

+1 646.328.1944