

Continuous Integration: Bamboo

Features:

- Suitable for any language
- There are add-ons available to enhance the experience/usability
- Organized view of all deployments and projects
- You can single out different build projects so that you don't have to wait in the queue to get your bugs fixed (quicker)
- You can integrate FIsheye, Crucible, Bitbucket, and Jira Software so you can monitor/integrate all from one app
- You can set up parallel tests on up to 100 build agents, docker agents, permissions, branch detection, and triggers with notifications. You also have the ability to quarantine the build with one click.
- Up to 10 jobs for free
- Import from Jenkins if you wanted to switch
- Continuous delivery (obviously)

Getting Started:

- To use Bamboo, you will need to already have: A code repository that contains the complete source code for the project, build scripts and test suites.
- Build, test, deploy, connect
- <https://www.atlassian.com/software/bamboo/pricing> (Shows getting started info)
- <https://confluence.atlassian.com/bamboo/getting-started-with-bamboo-289277283.html>
- <https://confluence.atlassian.com/bamboo/using-bamboo-289276852.html>
- Information was not obviously found on the Bamboo website, but with a quick Google search, I was able to find a ton of useful links/information on the install and use process of Bamboo. It seems to be fairly well-documented.

Other Info:

- It was developed by Atlassian in 2007
- Ratings of 8.2/10 on some websites
- Seems like it is fairly popular based on the amount of articles I've been able to find that argue back and forth for what is better between it and other super popular CI/CD tools.
- Multiple articles show it in their list of top 10 or top 7 options out there, and it seems to hover around the top of the list.
- <https://stackshare.io/bamboo> - This link shows a list of companies that currently use Bamboo in their tech stacks, and claims that 106 companies reportedly use it (but that is just the reported ones on stackshare)
- <https://onlyft.com/tech/products/atlassian-bamboo> - More info and stats about those using Bamboo
- I saw at least one public github repo using it that was updated 2 hours ago, and 4 hours ago.
- There seems to be a lot of information and competition when it comes to this tool, so from what I can best tell, it seems to be popular enough and seems to have been well-made.

Error Monitoring Tools: Jira

Features:

- Tons of good reviews for Jira, seems well-used
- Seems to be used largely for Agile teams
- Customizable scrum boards
- Kanban boards
- Sketch out roadmaps
- Agile reporting tools that help teams see how their team is performing from sprint to sprint
- See code and deployment status at a glance - Bring information from your favorite version control, build, deployment, or feature flagging tool into Jira Software and get instant visibility into your development pipeline
- Can be optimized with automation
- Rated the number 1 software development tool for agile teams
- <https://stackshare.io/jira>

Getting Started:

- <https://www.atlassian.com/software/jira/guides/getting-started/basics#step-6-move-work-forward>
- Seems to be pretty straightforward and simple to use. There is a lot of documentation and step-by-step tutorials on their website on how to use the features within their app - which are not limited to just error tracking.

Other Info:

- Jira was originally released in 2002
- <https://polontech.com/blog/10-reasons-why-jira-tool-is-so-popular/> - Pretty much sums it up.
- <https://stackshare.io/jira> - 3811 companies reportedly use Jira in their tech stacks, including Pinterest, Twitter, Lyft, and Udemy.
- This program seems pretty well integrated and established in the tech industry. I would say that it is quite popular and a super viable program to use for monitoring errors and productivity.