Continuous Integration

Bamboo -

Bamboo is a server that automates continuous integration for software applications and quality checks the new repositories for early 'fail fast' feedback. Bamboo has a very well developed user-friendly application that is supported and maintained by a professional team of software developers. Bamboo has many tools to offer for compatibility, support, and documentation.

Compatibility -
- Supports built-in JIRA software integration
- Supports built-in Git branching workflows
- Supports built-in BitBucket server integration
- Supports built-in deployment projects
- Supports REST API
- Supports test automation
- Supports enterprise-grade permission

Support -

Unlike many other CI applications, Bamboo has a professional team focused on maintaining and updating the software to maximize efficiency

Documentation -

Bamboo provides some of the best documentation for tools, pre-requisites, steps to perform tasks, and commands

Getting Started with Bamboo
- Install Bamboo with OS system
- Connect email account with Bamboo
- Create a 'run' plan and start building

https://confluence.atlassian.com/bamboo/getting-started-with-bamboo-289277283.html

Maturity

Bamboo is less popular among its competitor Jenkins, but still has overwhelming support and used in large companies such as

- Charles Schwab
- Liberty Mutual Insurance
- Vanguard
- Harris Corporation

Currently, Bamboo is listed -

- with 661 websites
- 4.68% Market share
- #6 Software in Continuous Integration

Real Time Error Monitoring

____Sentry -

Sentry is a crash reporting system that monitors and listens for performance issues, poor api calls, and slow Database queries. Sentry has an easy setup and easy interface for its users and is recognized as the largest software for error and monitoring.

Getting Started with Sentry
- Sign up for Sentry through their website
- Navigate to the Sentry API section and create an auth token
- Install and Configure Sentry
- In the directory, run (expo install sentry-expo)
- Install other dependencies (expo install expo-application expo-constants- expo-device expo-updates

    https://docs.expo.dev/guides/using-sentry/

Maturity

Sentry is the best in the business when it comes to popularity and support. Some key factors:
- 7,083 Websites added
- 1,093,272 current websites
- 93.78% Market share
- #1 Software in Error and Exception Monitoring

https://www.datanyze.com/market-share/error-and-exception-monitoring--422/sentry-market-share

Sentry is used by large companies such as:
- Bank of America
- Uber
- Airbnb
- Instagram
- Udemy
- Robinhood
- Reddit

https://stackshare.io/sentry