

Pega Platform DevOps

Deliver with speed and quality, continuously

A Pega Datasheet

Executing a DevOps strategy across your enterprise architecture takes discipline and the right tools. There are many excellent choices to manage your DevOps pipelines, but only one is built for Pega and integrates with your existing continuous delivery and integration ecosystem.

Pega empowers your team to employ continuous delivery and integration best practices across all of your Pega applications. Our suite of DevOps tools is designed to help you drive a culture of collaboration and deliver high-quality applications. Through each stage of the development cycle, Pega provides the tools and integrations to help drive your success:

- **Pega DevOps release pipeline** allows application changes to quickly move from development, through testing to deployment. Pega's release pipeline is designed to work seamlessly with Pega Platform™ tools and leading third-party tools.
- **Pega Deployment Manager** enables you to configure and run continuous integration and delivery (CI/CD) workflows across all of your Pega applications. Standardize deployment processes to ensure predictable, high-quality releases.
- **PegaUnit testing** provides teams a platform to quickly and easily create test cases to be incorporated into automated testing plans. Group tests into a test suite to run multiple cases in your defined order and ensure high-quality releases.
- **Integrations with DevOps toolchains** like Jenkins, XLDeploy, Docker, Gradle, Maven, JFrog, Puppet, and more.

Challenge

Slow deployments and frequent bugs have a larger impact to your business as more processes are digitized. New applications, features, and enhancements need to be delivered quickly and with quality. With the adoption of DevOps, your team works with a wide array of tools to deliver high-quality releases. Fast. You are forced to trade-off between tools that work across your enterprise and tools that work well with your applications.

Solution

Pega DevOps integrates with your existing ecosystem of DevOps tools, affording your development teams the best of both worlds.. With a complete toolkit to support you – from development to deployment – Pega DevOps empowers teams to develop applications continuously and deliver faster and with higher quality.

DevOps pipelines

- Leverage multiple built-on applications to develop and process smaller component applications.
- Introduce stability into the developer environment
- Use Pega Platform developer tools, such as rule compare and rule form.
- Enable branch-based development practices, like shared or local development environments, code migration, and branch archiving.

PegaUnit

- Identify the rules in your application are covered by tests with the rule coverage landing page.
- Run active PegaUnit test cases and test suites on the automated testing landing page. View reports to check the quality of your application to immediately identify rules that did not pass PegaUnit testing.
- Define PegaUnit test cases from test rulesets.
- Group related test cases into test suites, to run multiple test cases in a defined order.
- Define automated testing, using recorded test cases and unit test suites with manual or automated playback.

Deployment Manager

- Create CI/CD in Pega Pipeline to support your application development processes.
- Configure tasks, such as PegaUnit testing, that can be performed on each stage in the CI/CD pipeline.
- Visually monitor the status of each application deployment as it moves through a CI/CD pipeline.
- View reports that provide key indicators about your DevOps environment.

Integration

Pega integrates with leading DevOps center of excellence tools across each stage of the process, including

- Code repository: JFrog Artifactory, AWS S3, Sonatype Nexus
- Build automation: Jenkins, Puppet, Gradle, Maven, and TeamCity
- Unit testing: JUnit and REST Assured
- Deployment: Docker, XL Deploy

