

Jenkins Plug-In

for Automic® Continuous Delivery Automation

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The Jenkins plug-In and Jenkins action pack can be downloaded from the CA Automation Marketplace:

- [Plug-In](#)
- [Action Pack](#)

Overview

Jenkins is a go-to tool for continuous integration, and its functionality can be extended further using the right tools. The Jenkins plug-in connects Jenkins to Automic® Continuous Delivery Automation, so that you can fully incorporate Jenkins and all its components into an end-to-end continuous delivery pipeline. Moreover, the Jenkins action pack enables you to trigger a new, parameterized build from Automic Continuous Delivery Automation.

Solutions Overview

Jenkins is the world's most popular continuous integration server. Jenkins helps to automate the non-human parts of the modern software factory, including processes such as continuous integration, continuous testing, and continuous deployment.

Jenkins supports many software configuration management tools, including AccuRev, CVS, Subversion, Git, Mercurial, Perforce, Clearcase and RTC, and can execute Apache Ant, Apache Maven and sbt based projects as well as arbitrary shell scripts and Windows batch commands. Jenkins was originally released under an MIT License and is free software. In Jenkins, builds can be triggered by various means, for example by a commit in a version control system, by scheduling in a cron-like mechanism, and by requesting a specific build URL. A build can also be triggered after the other builds in a queue have completed.

About the Plug-in

Automic Continuous Delivery Automation automates deployments and orchestrates the entire DevOps toolchain with specific emphasize on production deployments and requirements for dependency checking, release coordination, scale, and auditability. The plug-in connects a Jenkins pipeline to the overall enterprise deployment pipeline managed by Automic Continuous Delivery Automation. The plug-in adds post-build options in Jenkins which create versioned packages within an Automic Continuous Delivery Automation deployment pipeline. Packages can be assembled from multiple sources and build processes. Once a package is created within Automic Continuous Delivery Automation, it is fully integrated into an automated deployment pipeline. Packages move according to state-flow rules defined in Automic Continuous Delivery Automation and are always traceable back to the build that they originated from.

Jenkins can be extended with plugins that allow you to go beyond a simple build by chaining together post build actions to assemble test pipelines for testing environments.

Solutions Overview (cont.)

The Jenkins plug-in is augmented by the Jenkins Action pack which enables Automic Continuous Delivery Automation to trigger builds in Jenkins. The combination enables users to build closed-loop pipelines from development to production, and across multiple applications. Users can also build and connect Jenkins pipelines with the enterprise environment and to production release cycles.

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