

# Jenkins Plugin

## At A Glance

Jenkins is often the go-to tool for continuous integration, and its functionality can be extended further using the right tools. The Jenkins plugin connects it to CA Automatic Release 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 CA Automatic Release Automation itself.

### DOWNLOAD

The Jenkins plugin and Action Pack can be downloaded from the CA Automation Marketplace:

#### Plugin

<https://marketplace.automic.com/details/jenkins-plugin>

#### Action Pack

<https://marketplace.automic.com/details/jenkins-action-pack>

## About Jenkins

Jenkins is the world's most popular continuous integration server. Jenkins helps to automate the non-human part of the whole software development process, with now common things like continuous integration and continuous testing and deployment.

It supports SCM 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 the MIT License. Jenkins is free software. In Jenkins Builds can be triggered by various means, for example by commit in a version control system, by scheduling via a cron-like mechanism and by requesting a specific build URL. It can also be triggered after the other builds in the queue have completed.

Jenkins functionality can be extended with plugins, which chain together "post build" actions, in this mannered development and test pipelines can be assembled using Jenkins to go beyond build, usually for unit and other testing steps.

## About the Plugin

CA Automatic Release 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. This Plugin connects a Jenkins pipeline to the overall enterprise deployment pipeline managed by CA Automatic Release Automation. The plugin adds Jenkins post build options in Jenkins which create versioned packages within a CA Automatic Release Automation deployment pipeline. Packages can be assembled from multiple sources and build processes. Once a package is created within CA Automatic Release Automation it is fully integrated into an automated deployment pipeline. Packages move according to state-flow rules defined in CA Automatic Release Automation and are always traceable back to the build(s) they originated from. The Jenkins plugin is augmented by the Jenkins Action pack which enables CA Automatic Release Automation to trigger builds in Jenkins. The combination enables users to build closed loop pipelines from Development to Production across multiple applications and build and connect Jenkins pipelines with the enterprise environment and production release cycles.

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