

Gradle & TestNG & Jenkins Setup - CI Automation

1. Download Jenkins from <https://www.jenkins.io/>

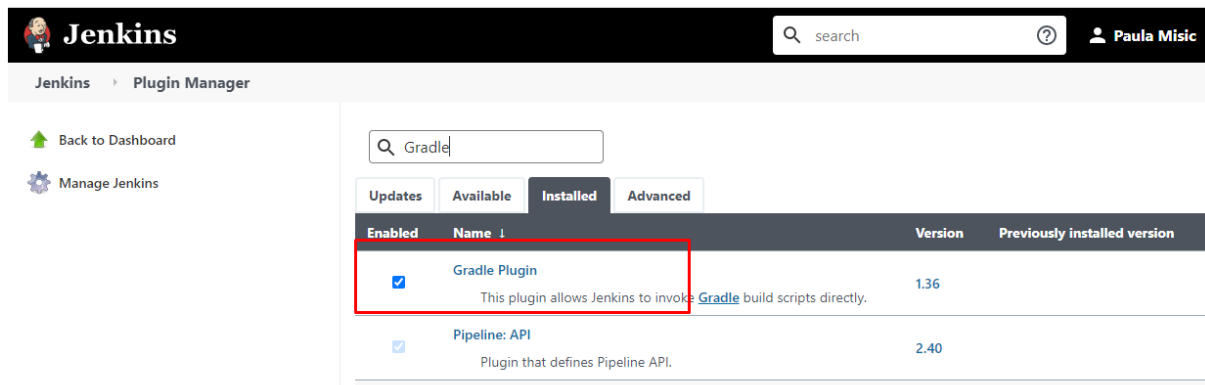
Jenkins Setup

Jenkins is running on: <http://localhost:8080/>

Please ensure to install the Gradle Jenkins plugin before creating a Jenkins job.

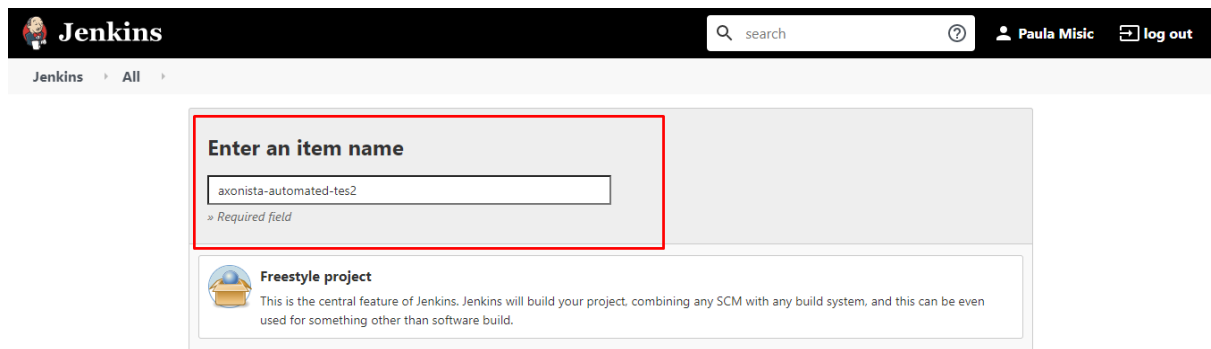
You can install the plugin directly in jenkins -> Plugin Manager -> Available and type in Gradle.

Install the gradle plugin as shown below

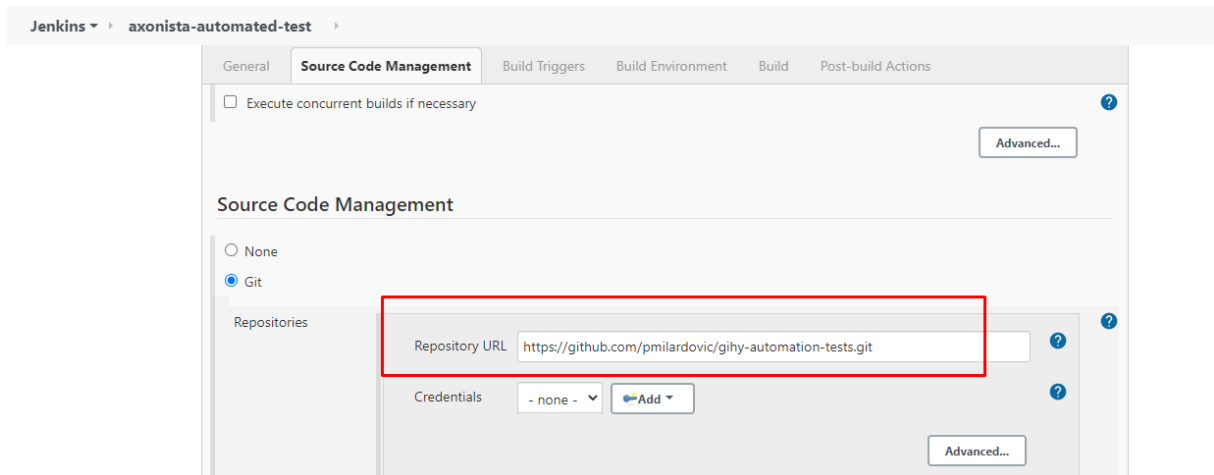


Jenkins Job

Creating a Gradle Jenkins Job. Create a new "Freestyle project" job and click ok as shown below.

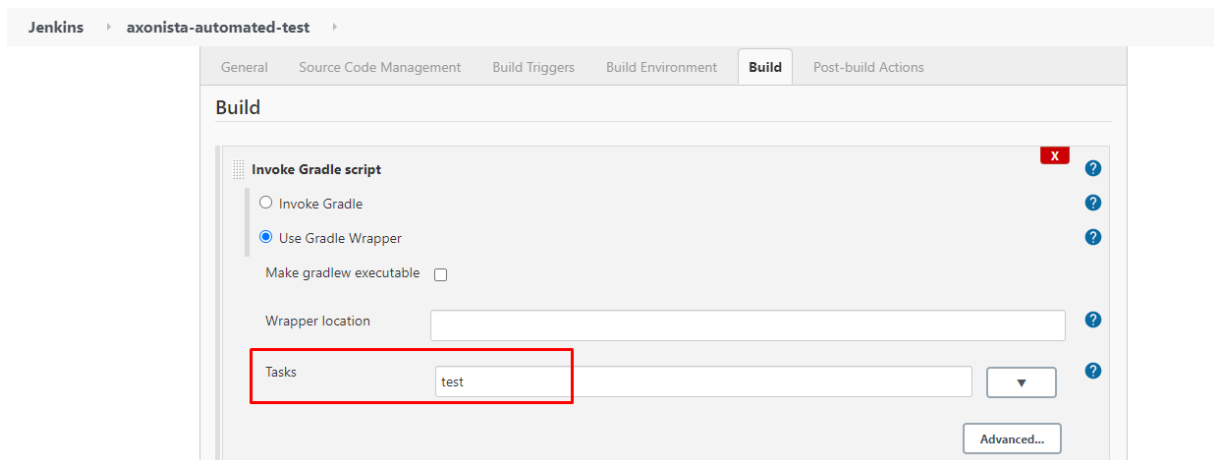


In the Source Code Management Section select 'Git' and enter the repository URL and Save.



The screenshot shows the Jenkins configuration page for a job named 'axonista-automated-test'. The 'Source Code Management' tab is selected. Under 'Source Code Management', the 'Git' radio button is chosen. The 'Repository URL' field is highlighted with a red box and contains the text 'https://github.com/pmilaradovic/gihy-automation-tests.git'. Below this, the 'Credentials' dropdown is set to '- none -' with an 'Add' button next to it. There are 'Advanced...' buttons in the top right and bottom right corners of the section.

In the build section, add step 'Invoke Gradle Script', select Use Gradle Wrapper'. Under 'Tasks' write test.
Save.



The screenshot shows the Jenkins configuration page for the same job, now with the 'Build' tab selected. A new step titled 'Invoke Gradle script' has been added. Under this step, the 'Use Gradle Wrapper' radio button is selected. The 'Tasks' field is highlighted with a red box and contains the text 'test'. There are several help icons (question marks) on the right side of the configuration. An 'Advanced...' button is located at the bottom right of the step configuration area.

Navigate to the Jenkins job and click 'Build Now'.

The screenshot shows the Jenkins web interface for a job named 'axonista-automated-test'. The top navigation bar includes the Jenkins logo and a search bar. The left sidebar contains several menu items: 'Back to Dashboard', 'Status', 'Changes', 'Workspace', 'Build Now' (highlighted with a red rectangle), 'Configure', 'Delete Project', and 'Rename'. The main content area is titled 'Project axonista-automated-test' and includes links to 'Workspace' and 'Recent Changes'. Below these is a 'Permalinks' section with a list of links for various builds, such as 'Last build (#14), 44 min ago'. At the bottom, there is a 'Build History' section with a search bar and a table of builds, including build #15 from 29.10.2020. 12:02.

In Build History, select the current running build and choose Console Output on the left. The Console Output will contain the complete text log of output from the execution.

Example of my running tests can be found in the folder GiphyProject/JenkinsRun video