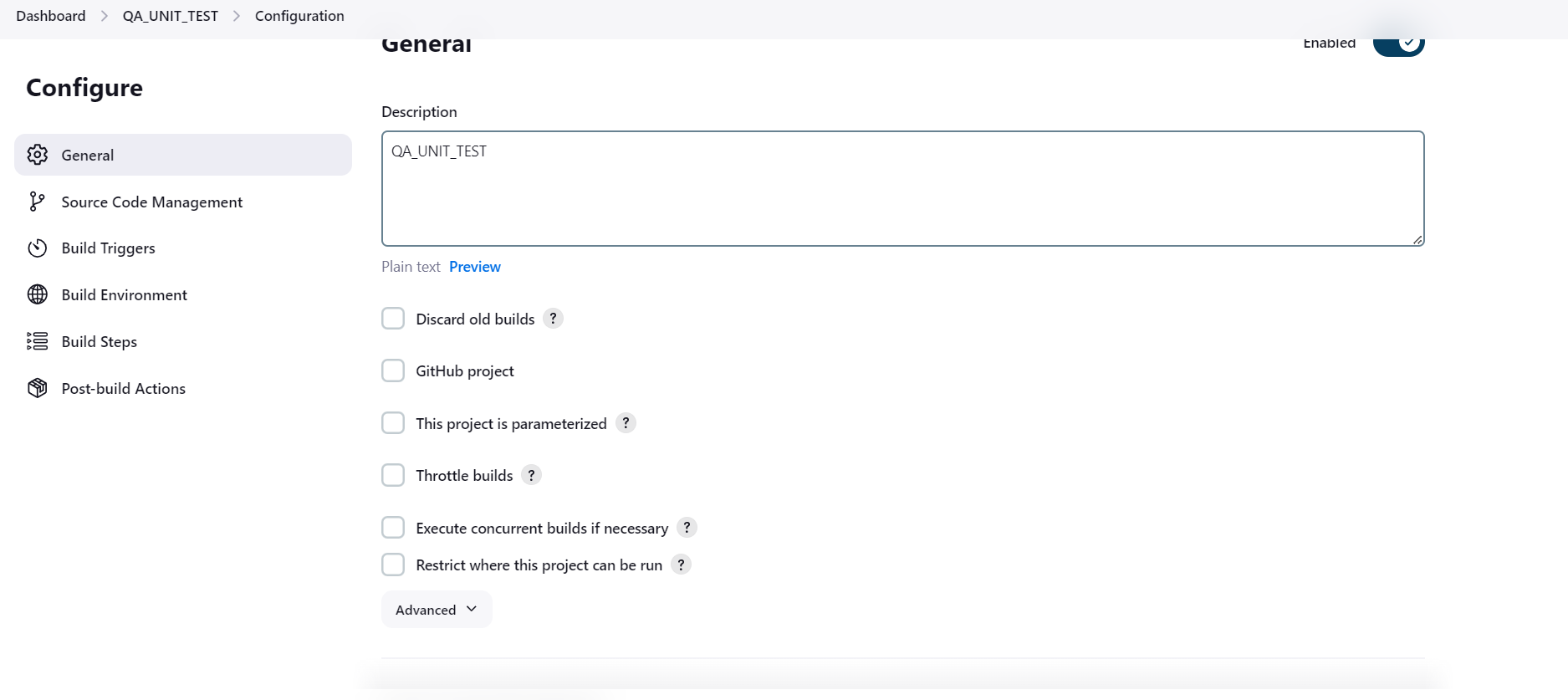
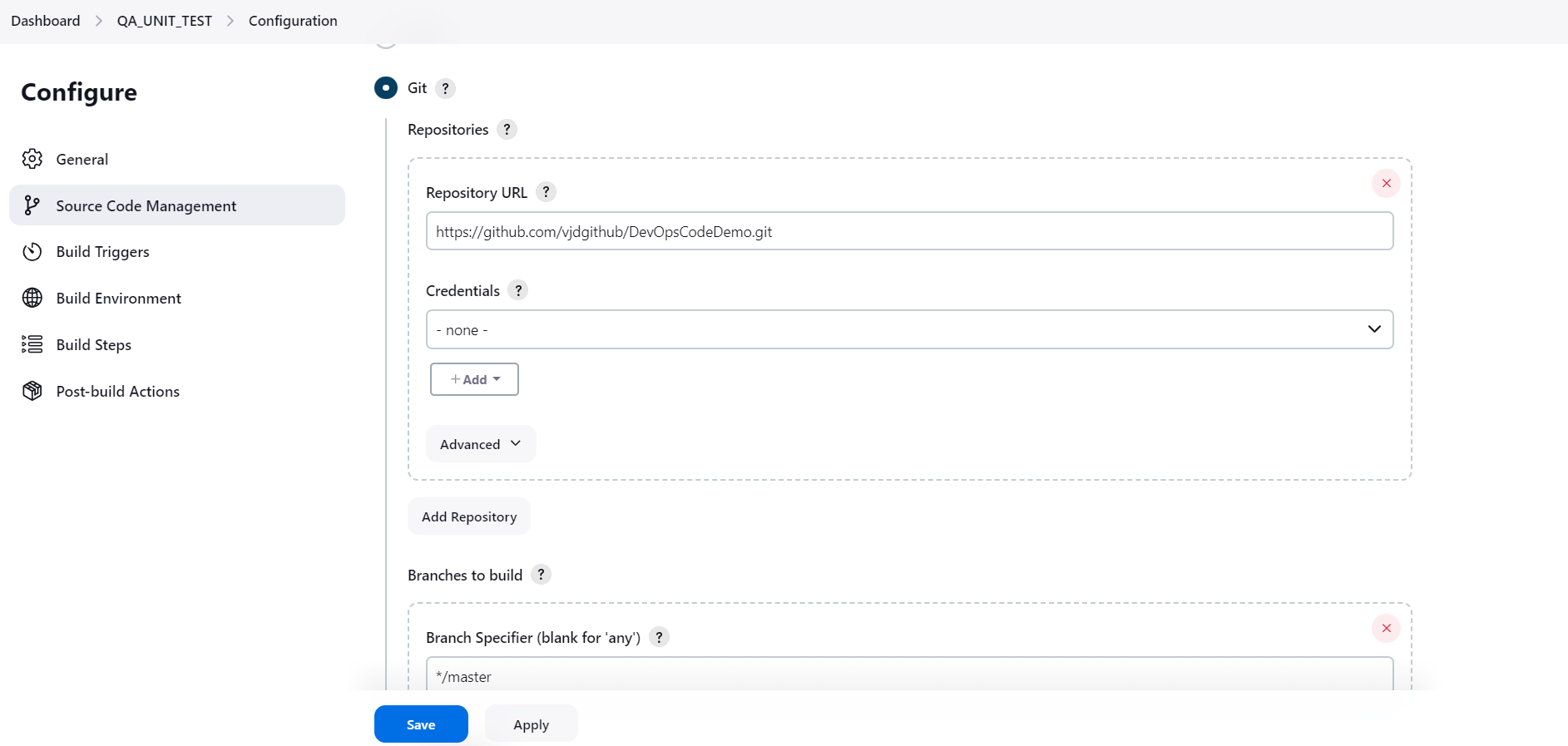
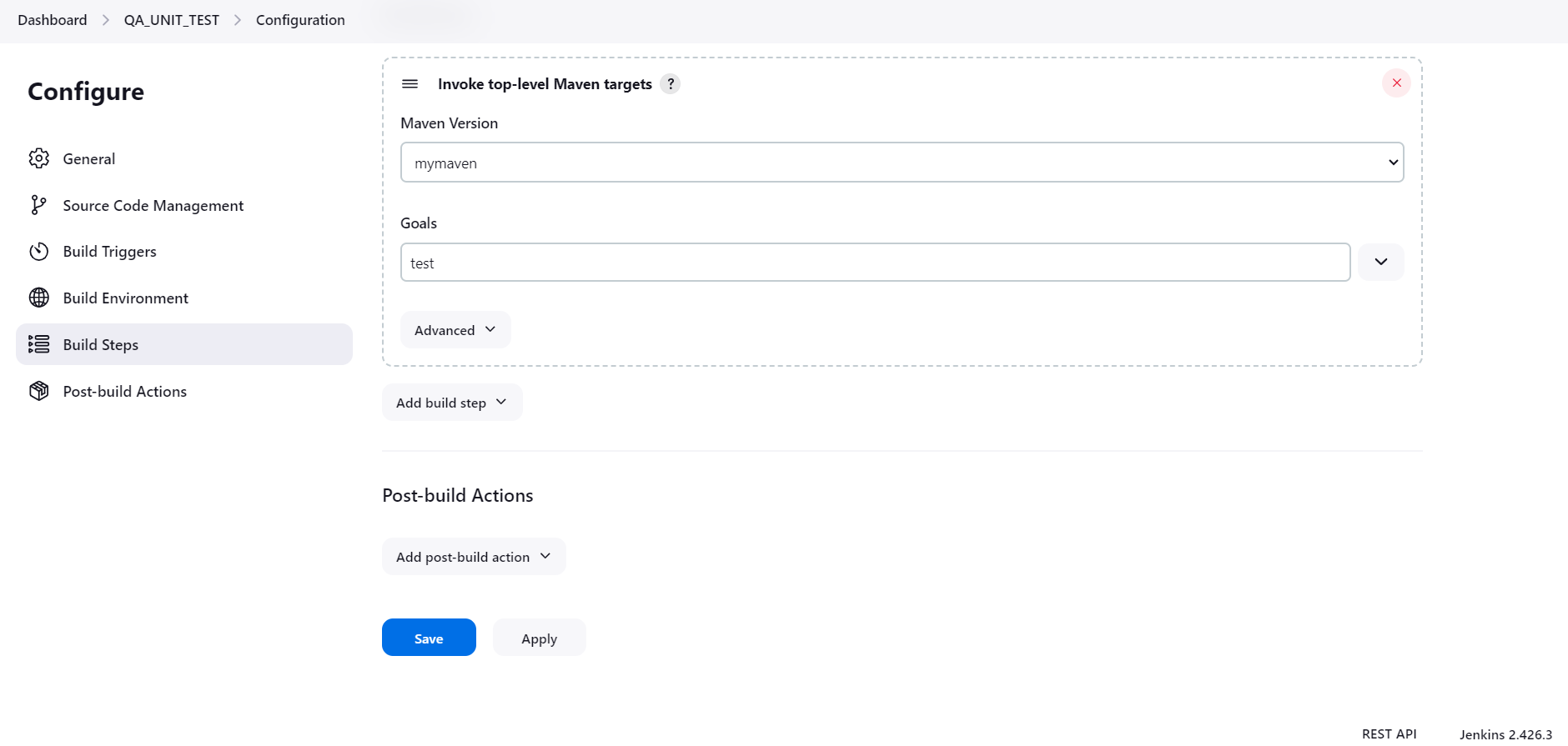
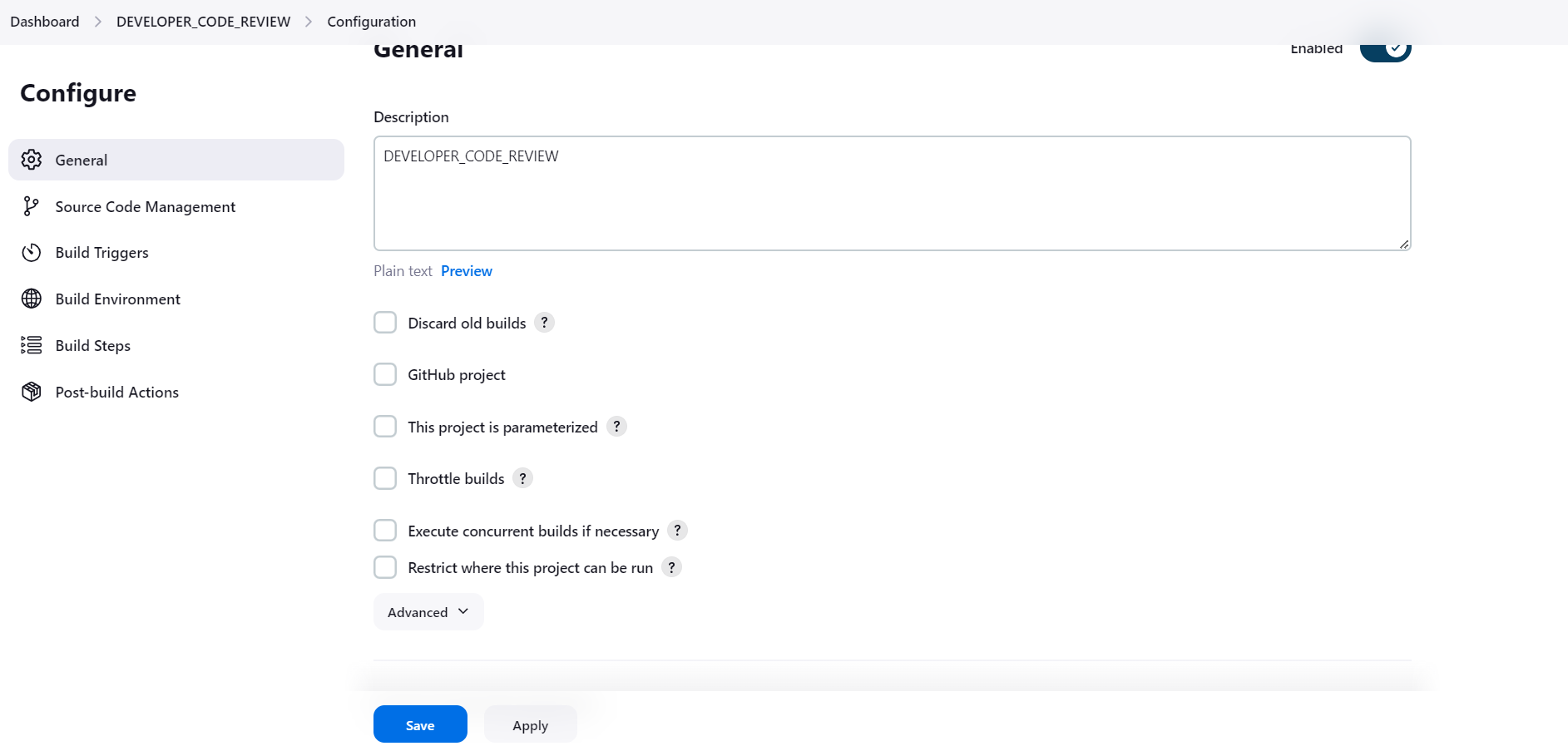
Create a freestyle project with the name QA\_UNIT\_TEST in Jenkins that is driven from job DEVELOPER\_CODE\_REVIEW and performs unit testing

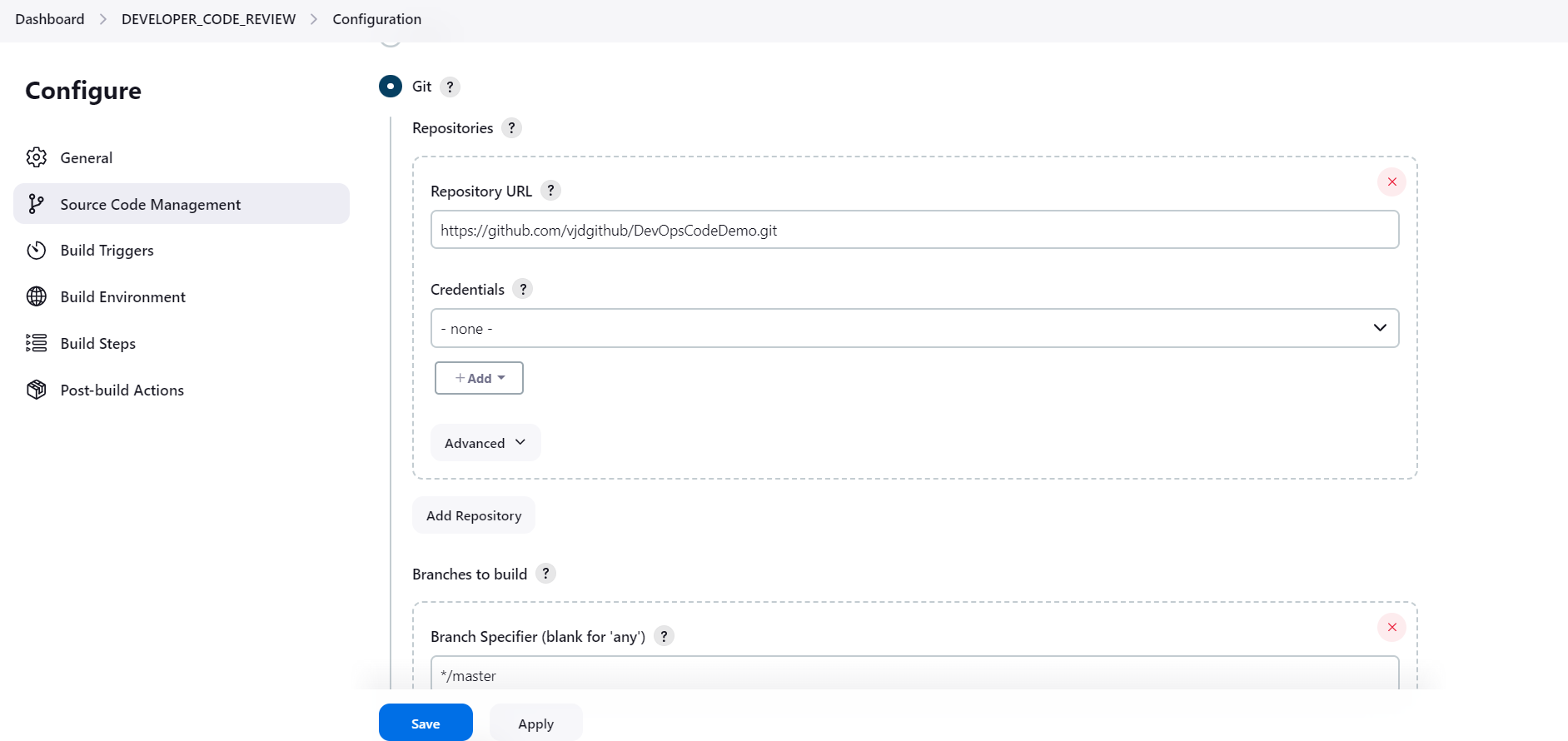
Take a screenshot of the console output showing a successful build of unit testing

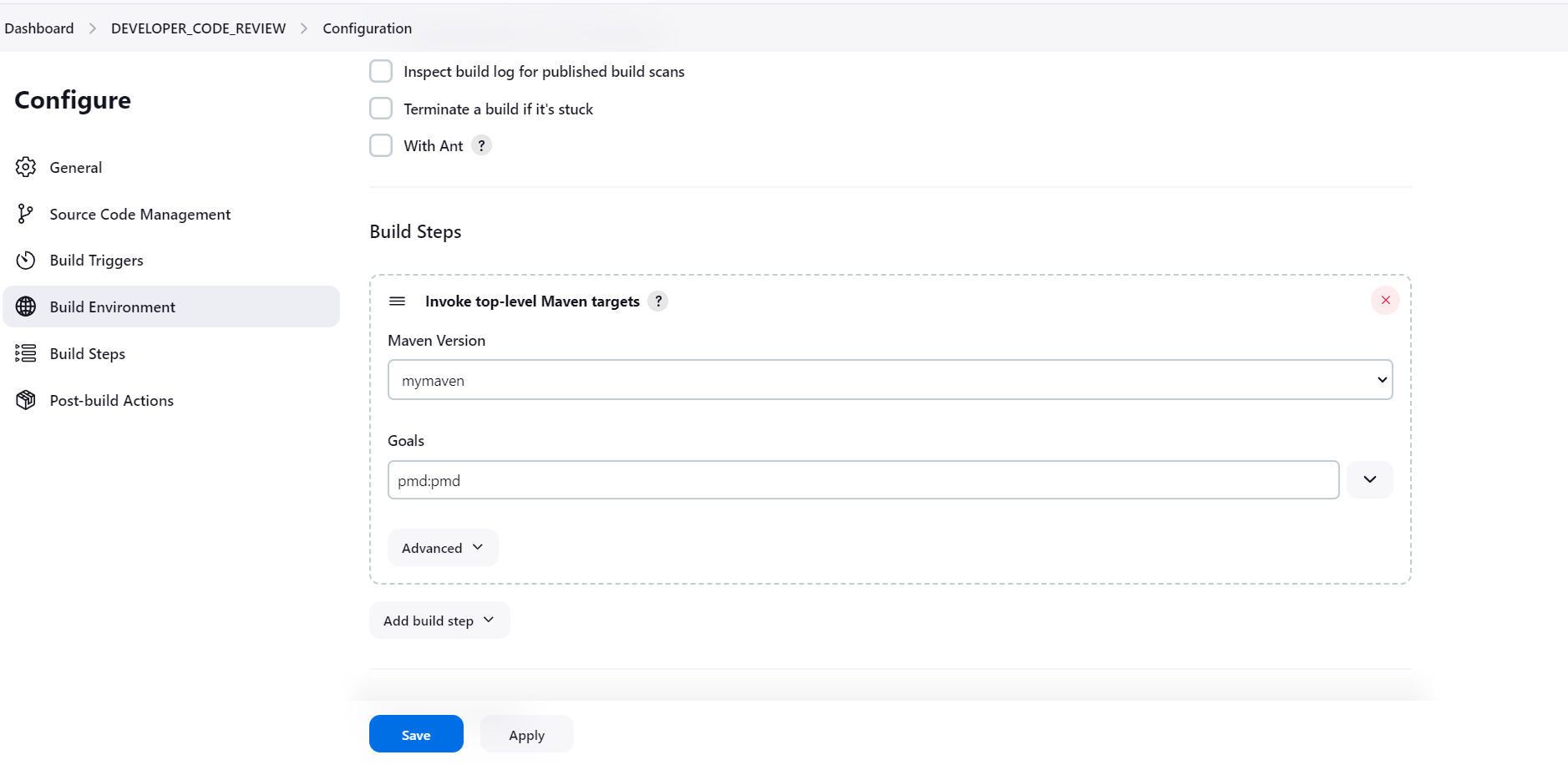


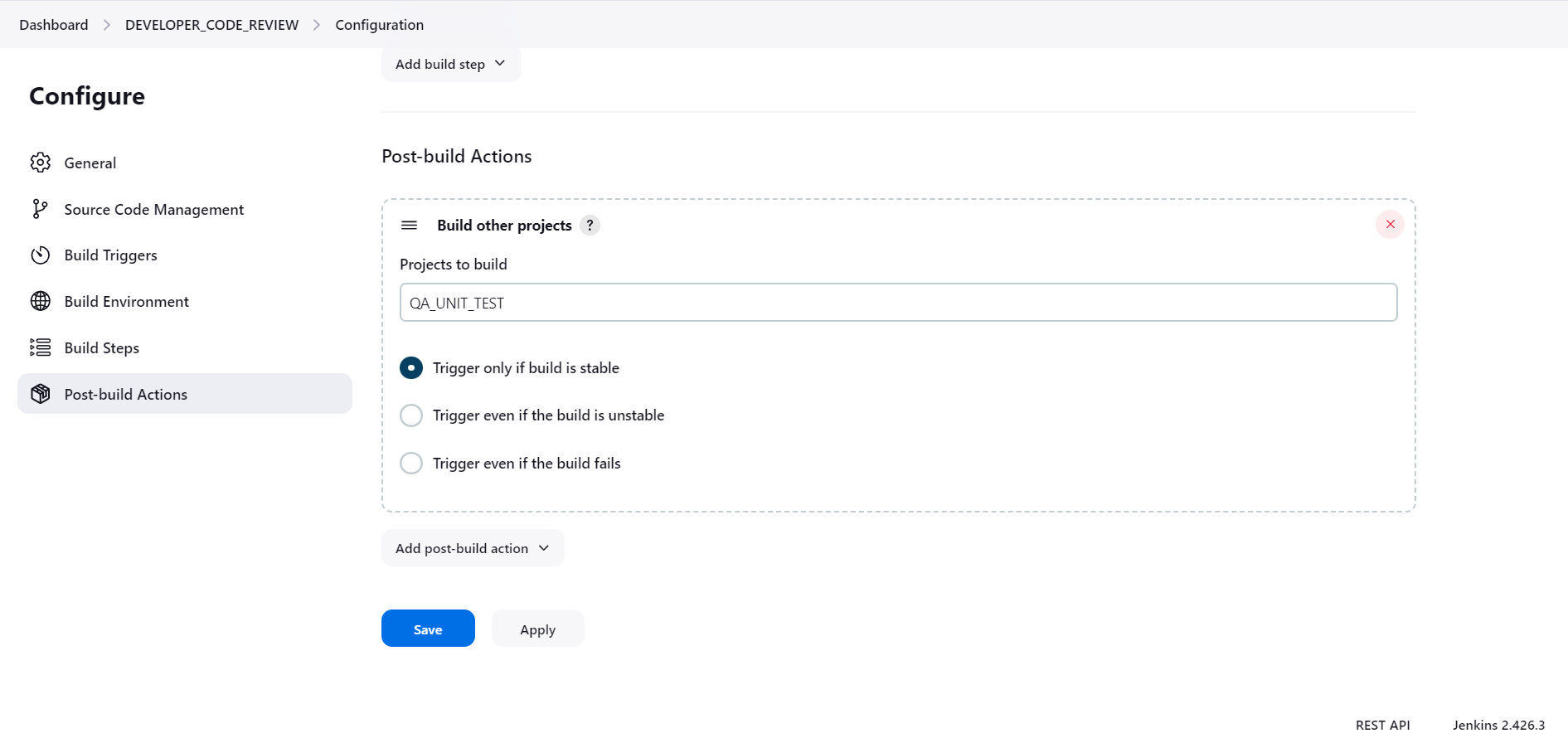


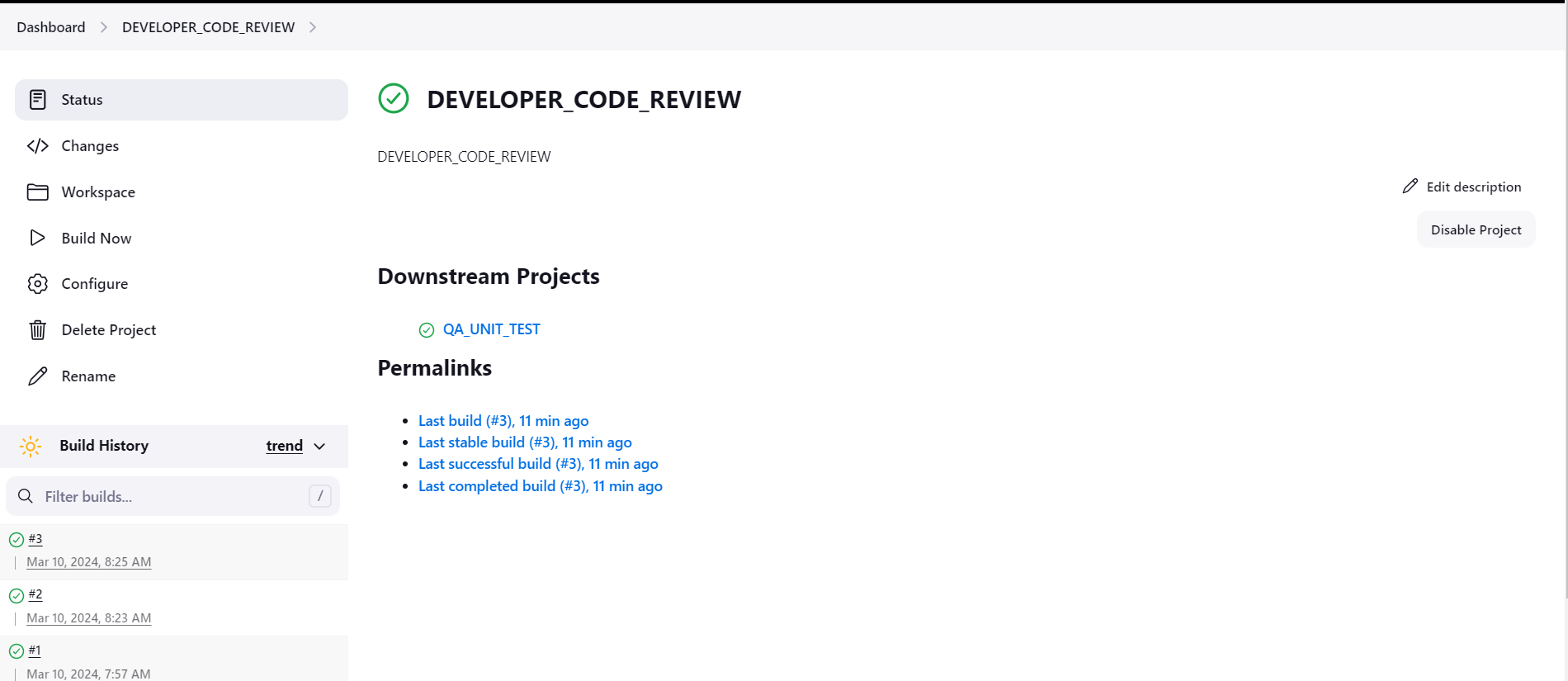




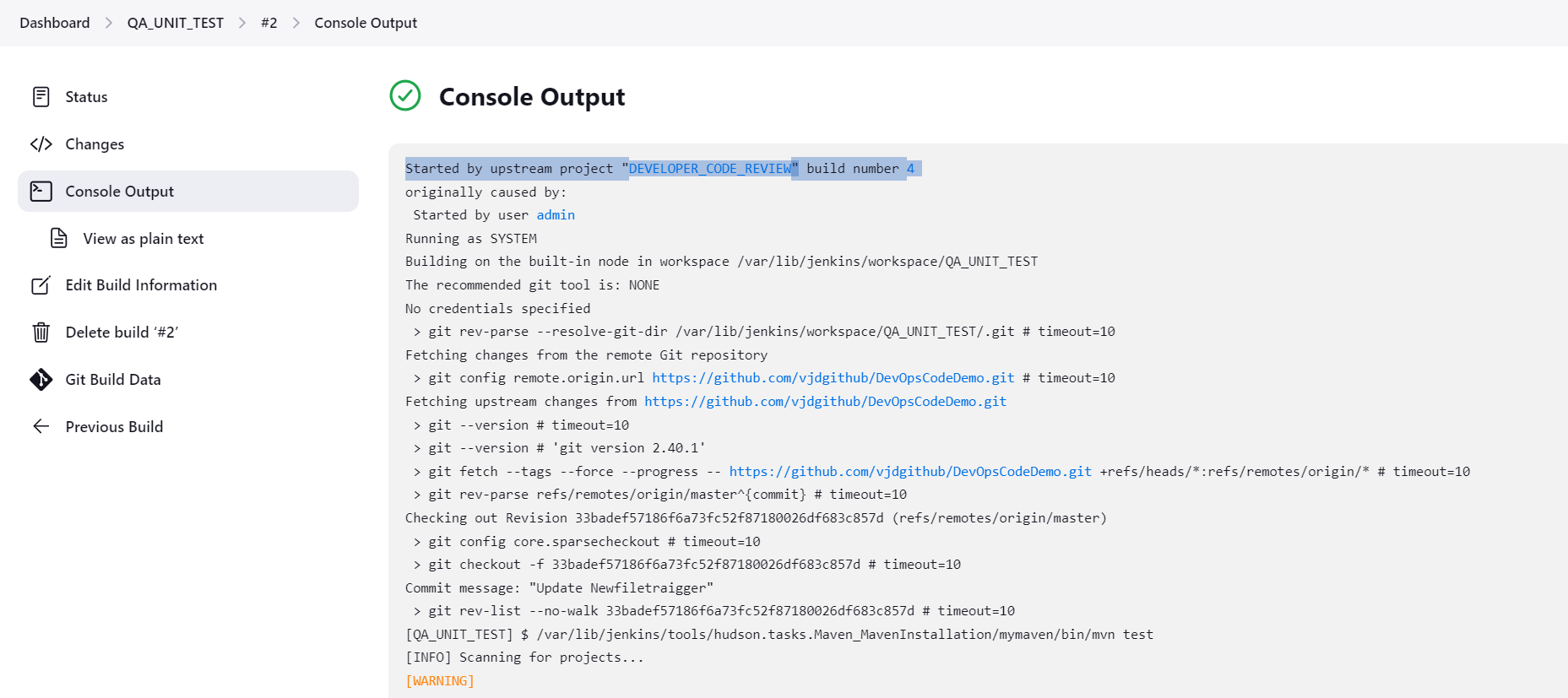










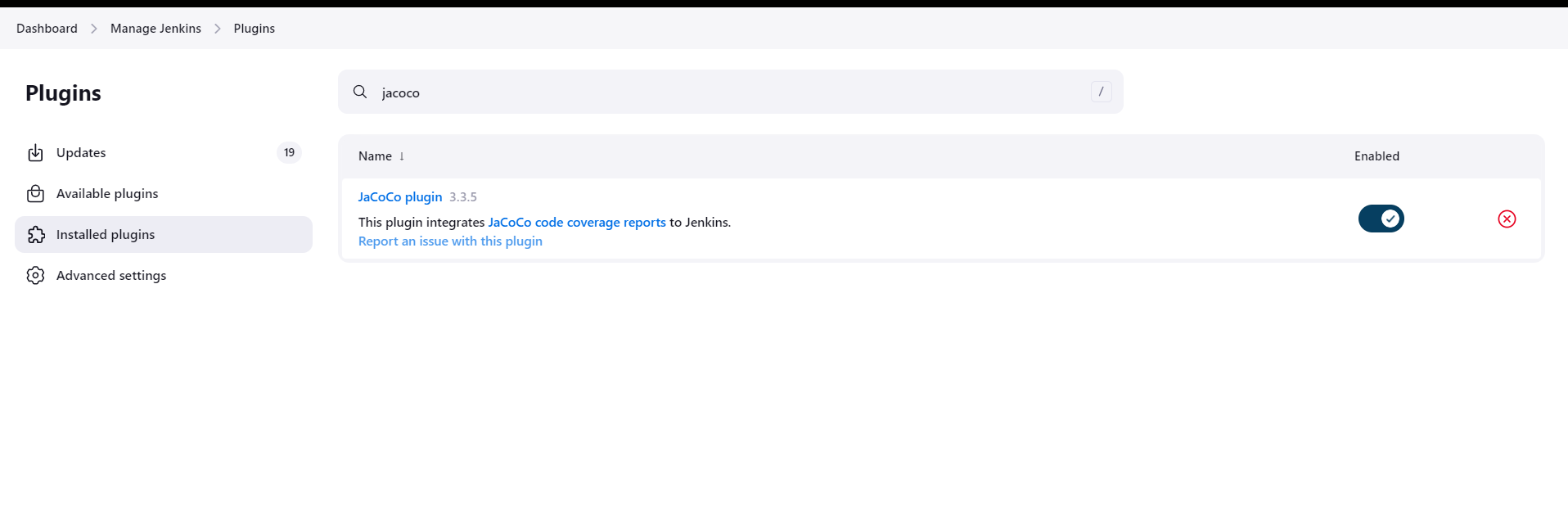


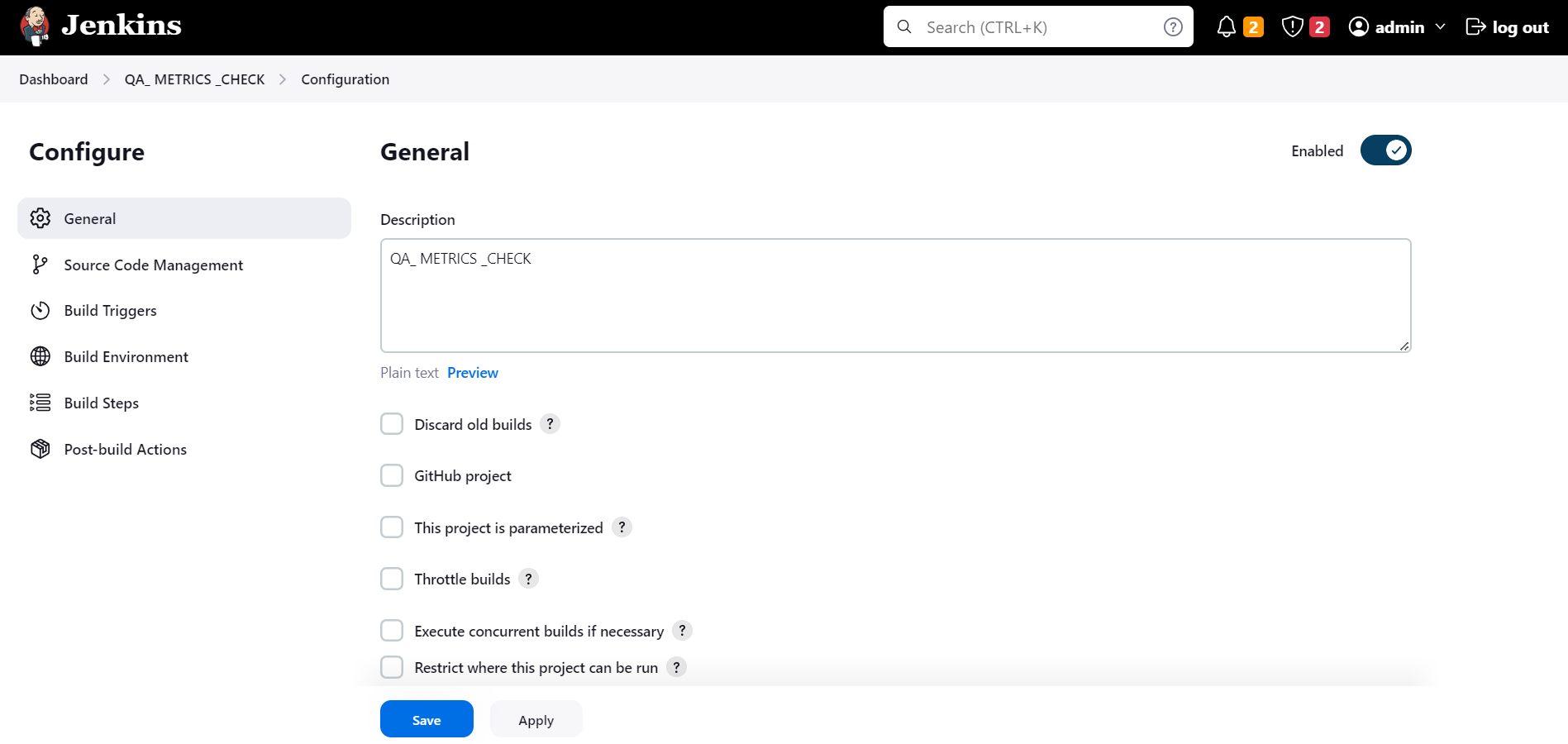


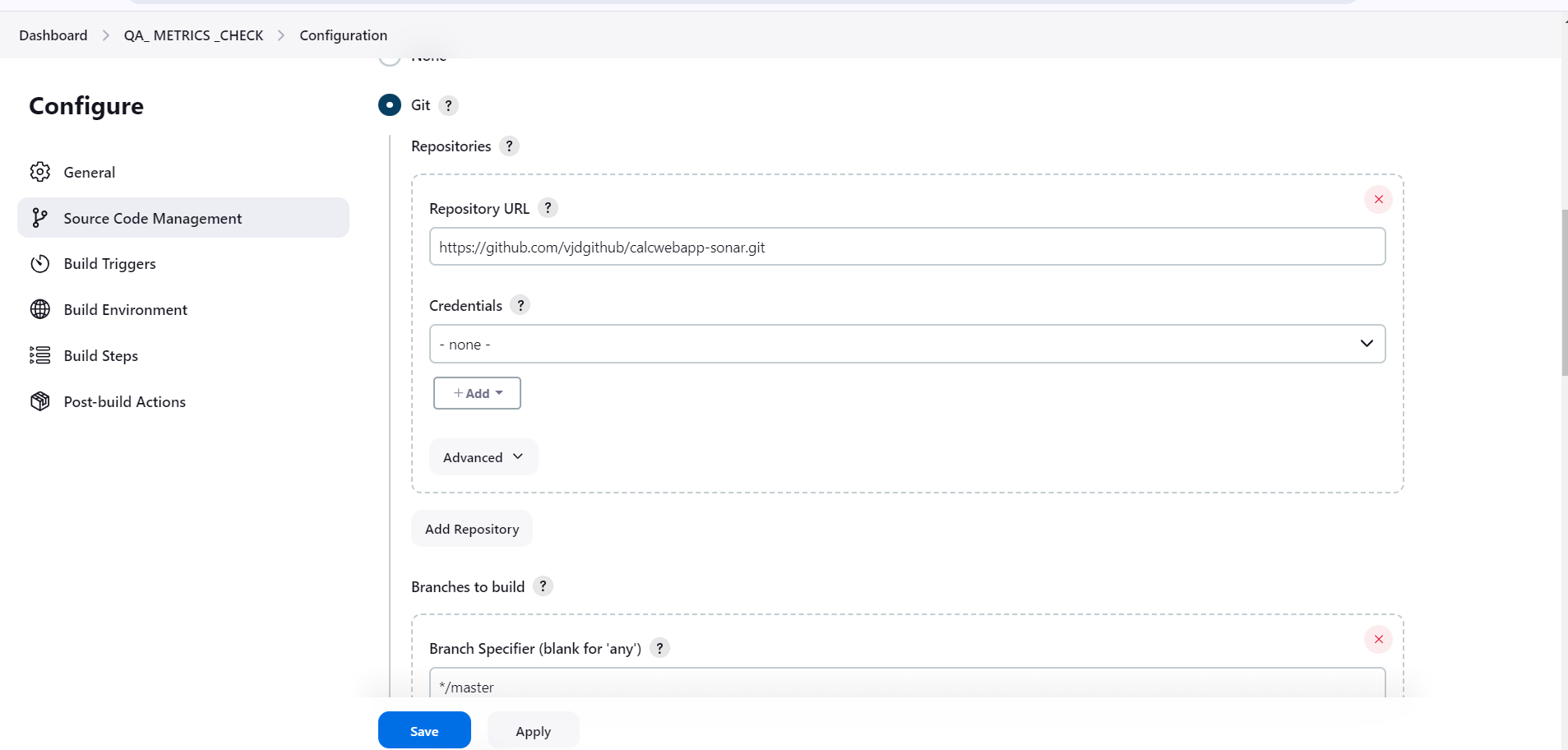
• Create a freestyle project with the name QA\_ METRICS \_CHECK in Jenkins to check the test cases.

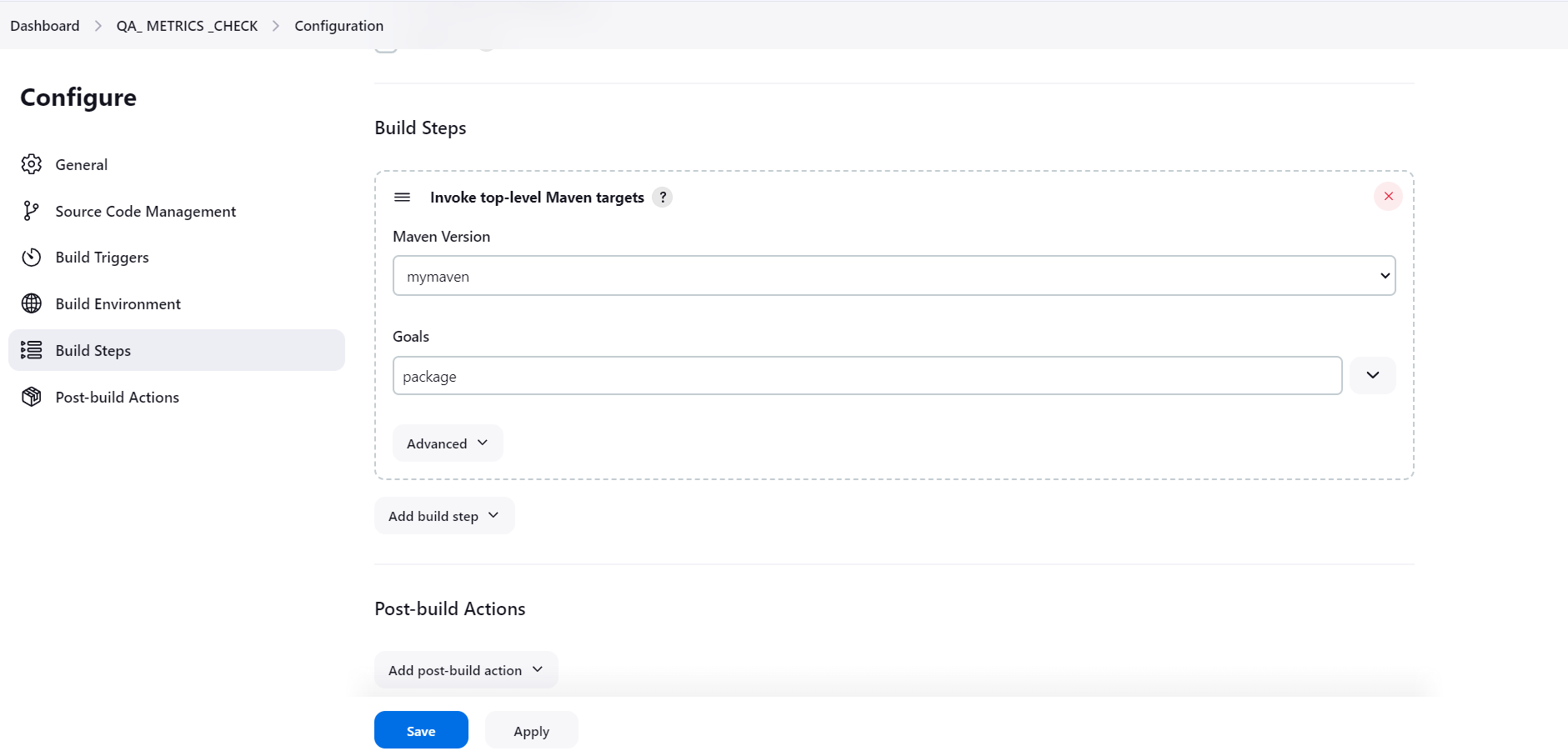
Make sure the Cobertura plugin is installed in Jenkins

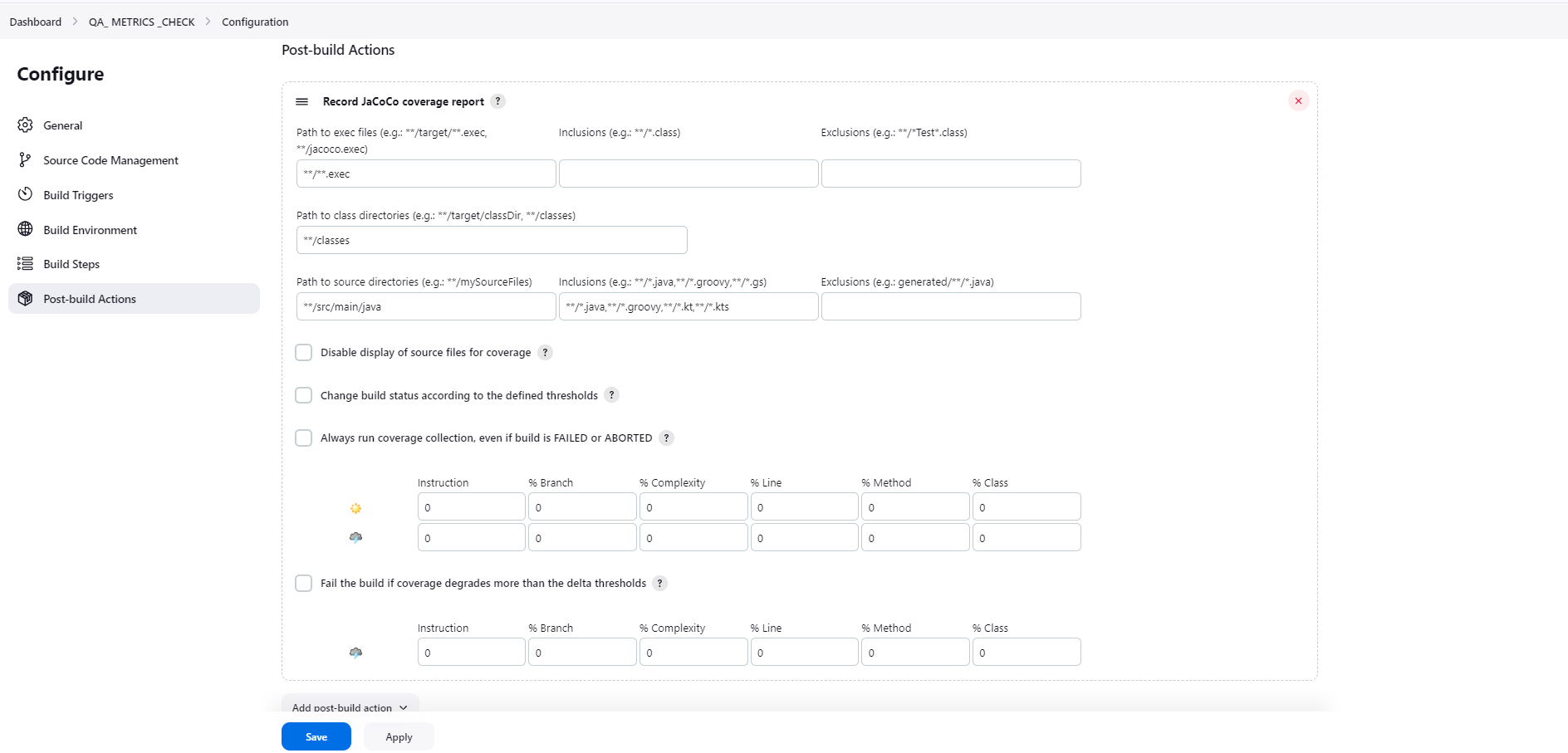
Take a screenshot of the metrics from the dashboard of the project.

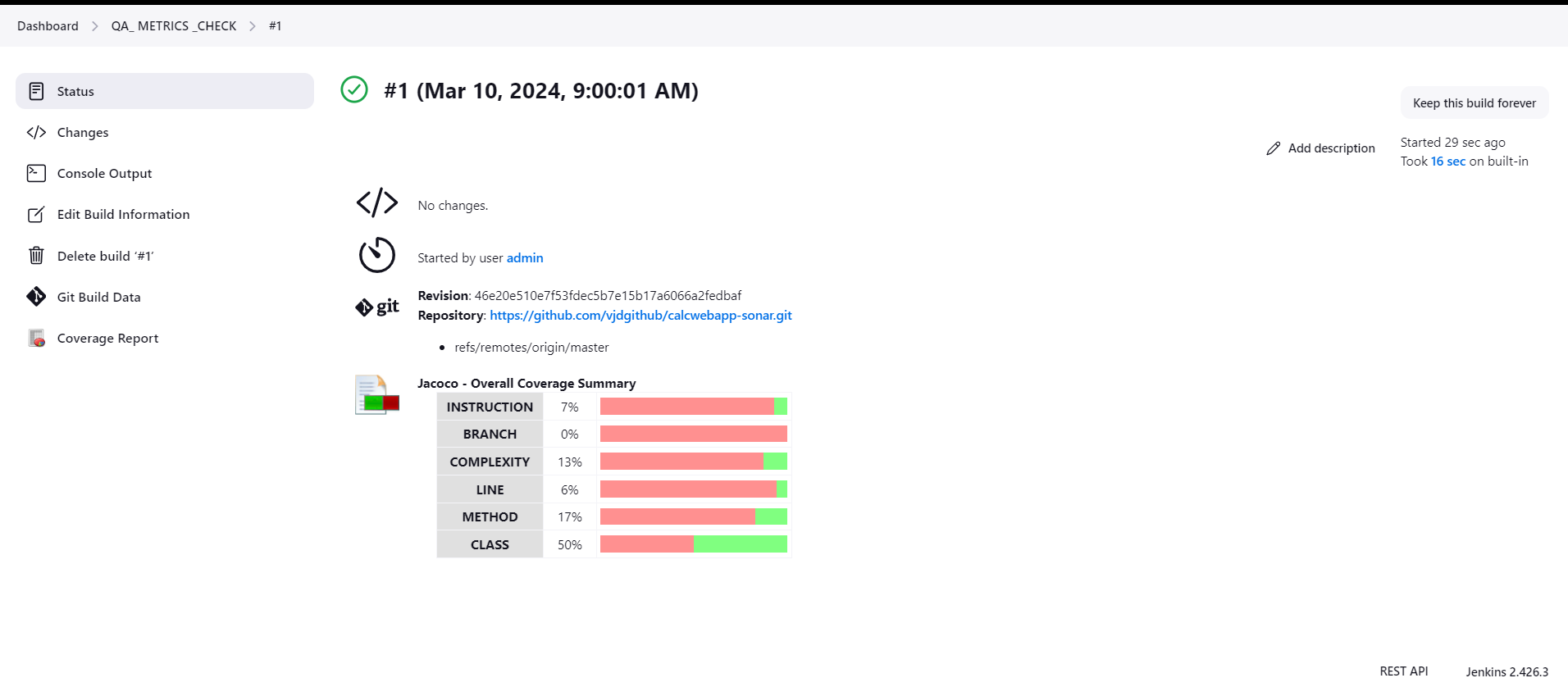


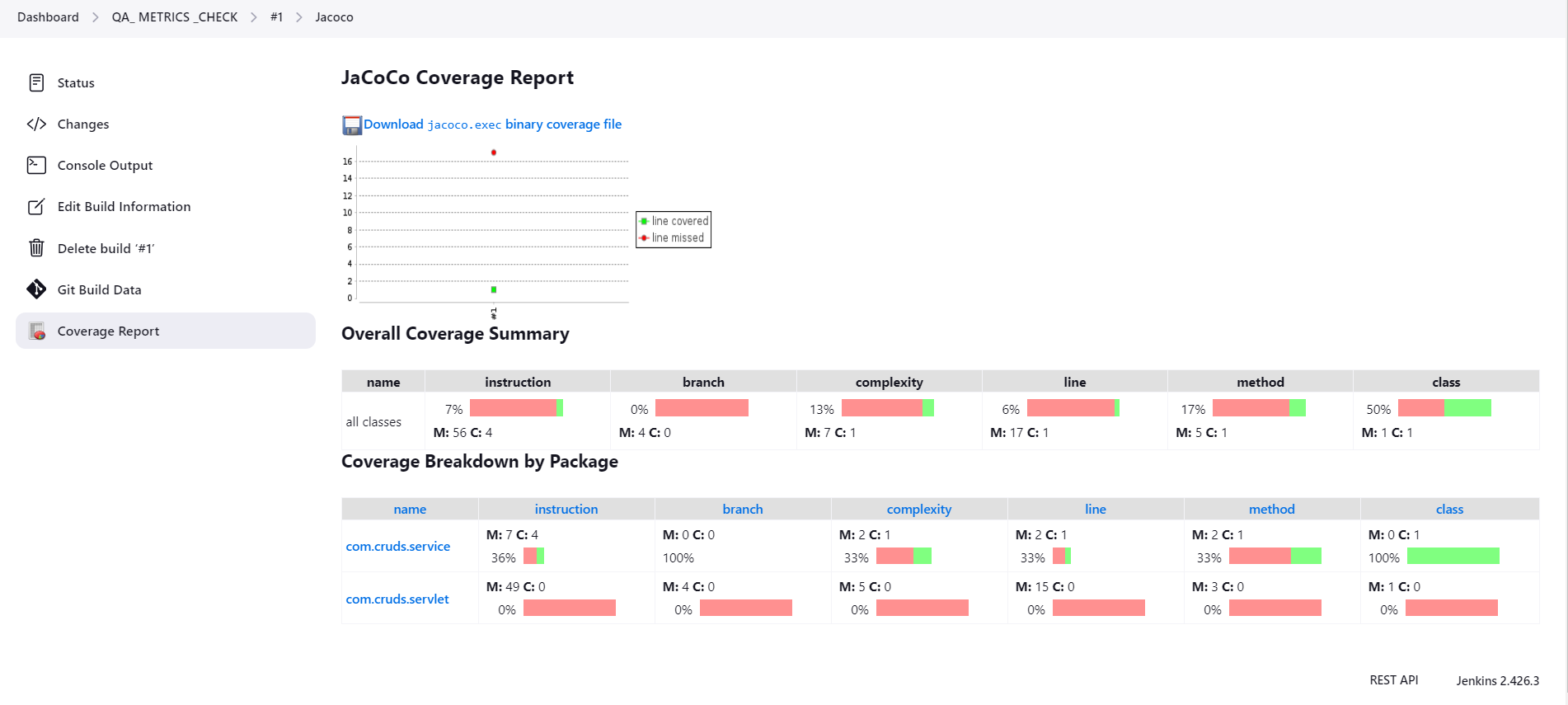






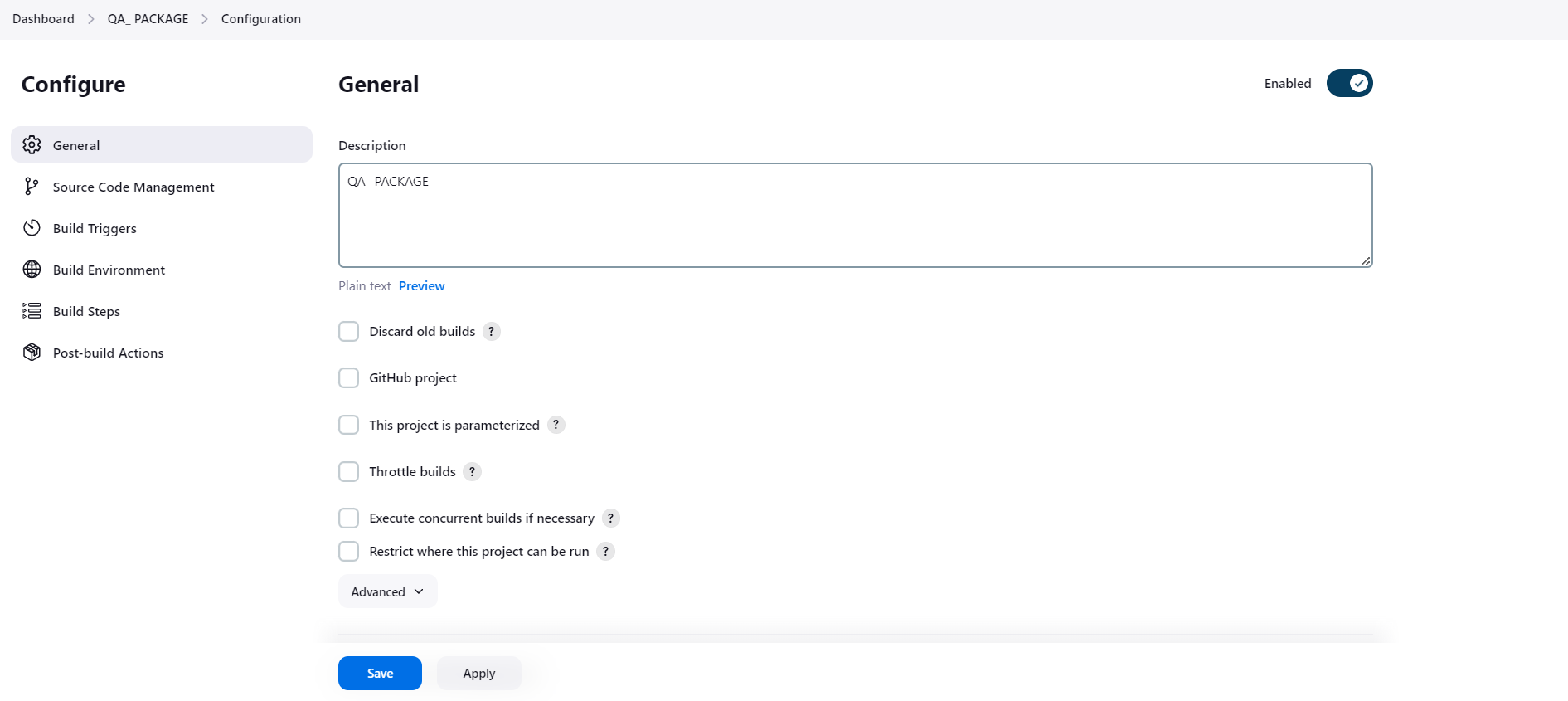


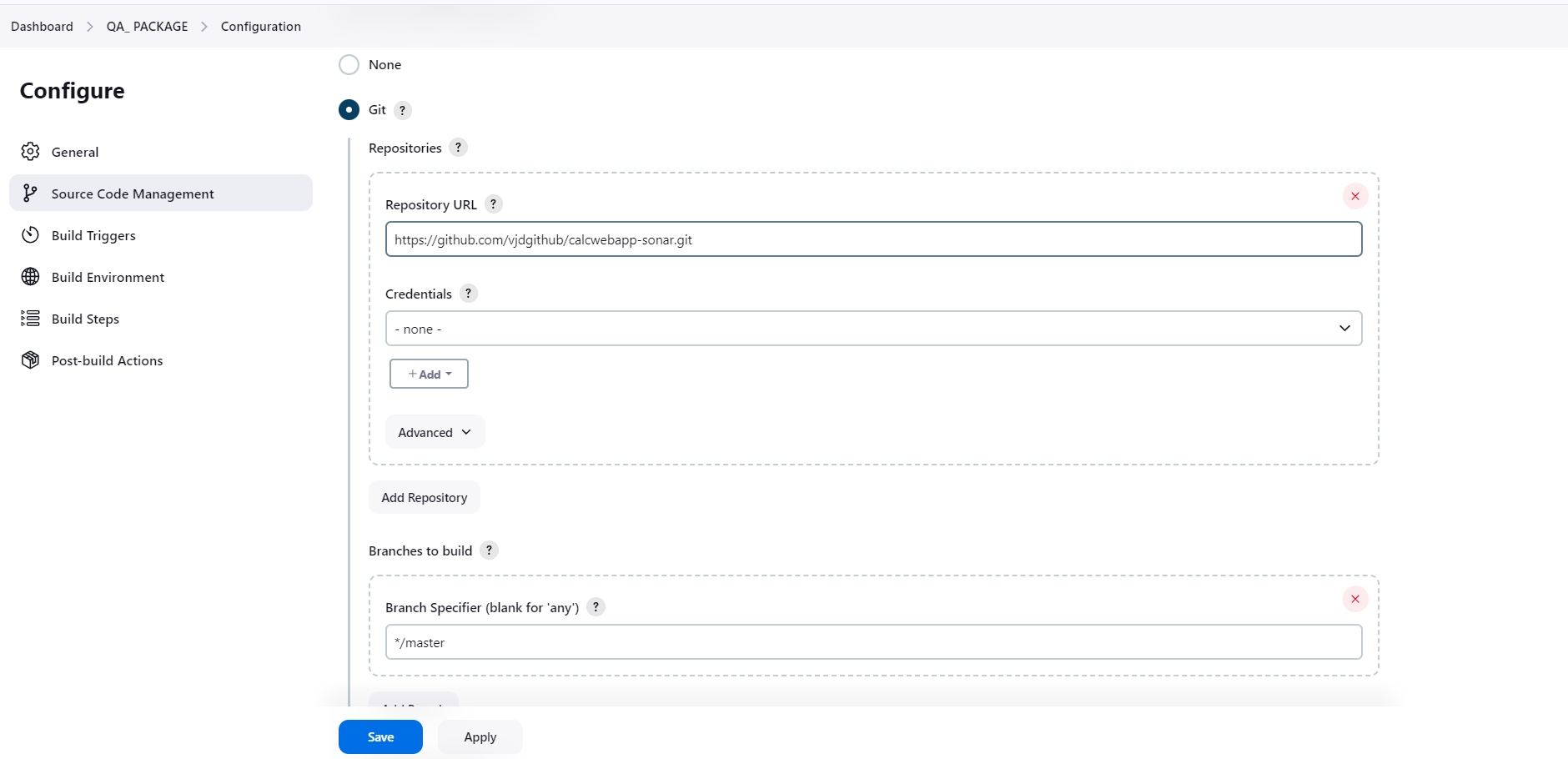


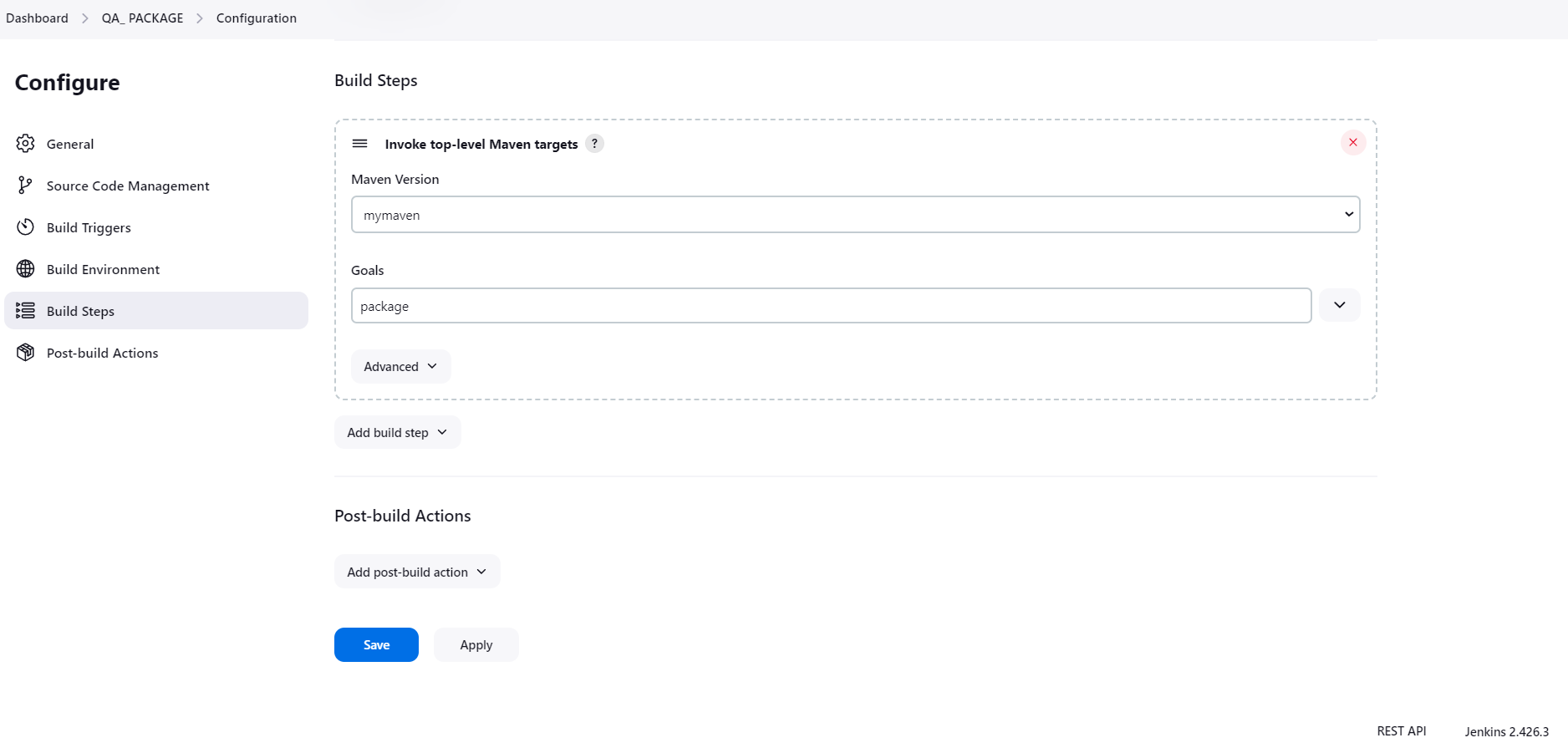


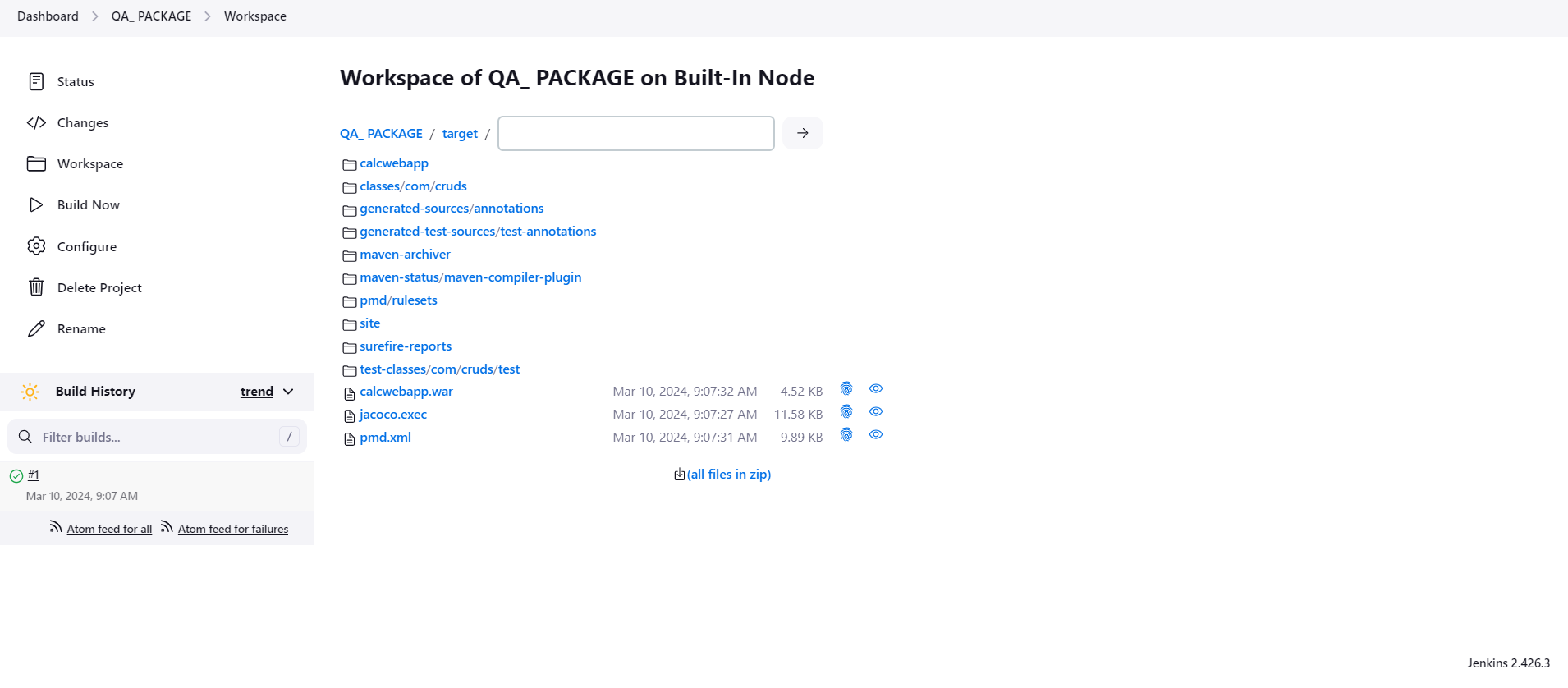
• Create a freestyle project with the name QA\_ PACKAGE in Jenkins to create an executable jar/war file.

Take a screenshot of the target folder created in the workspace.



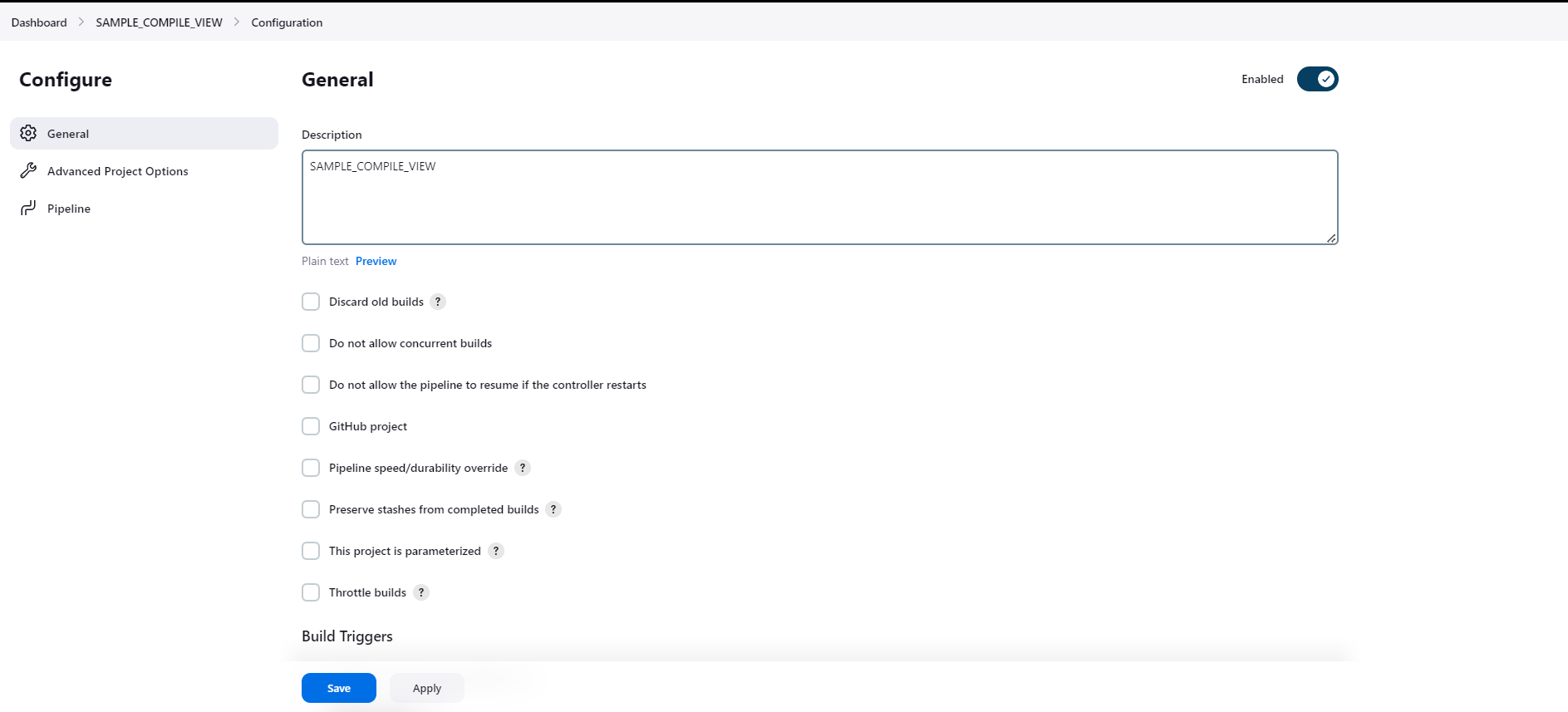


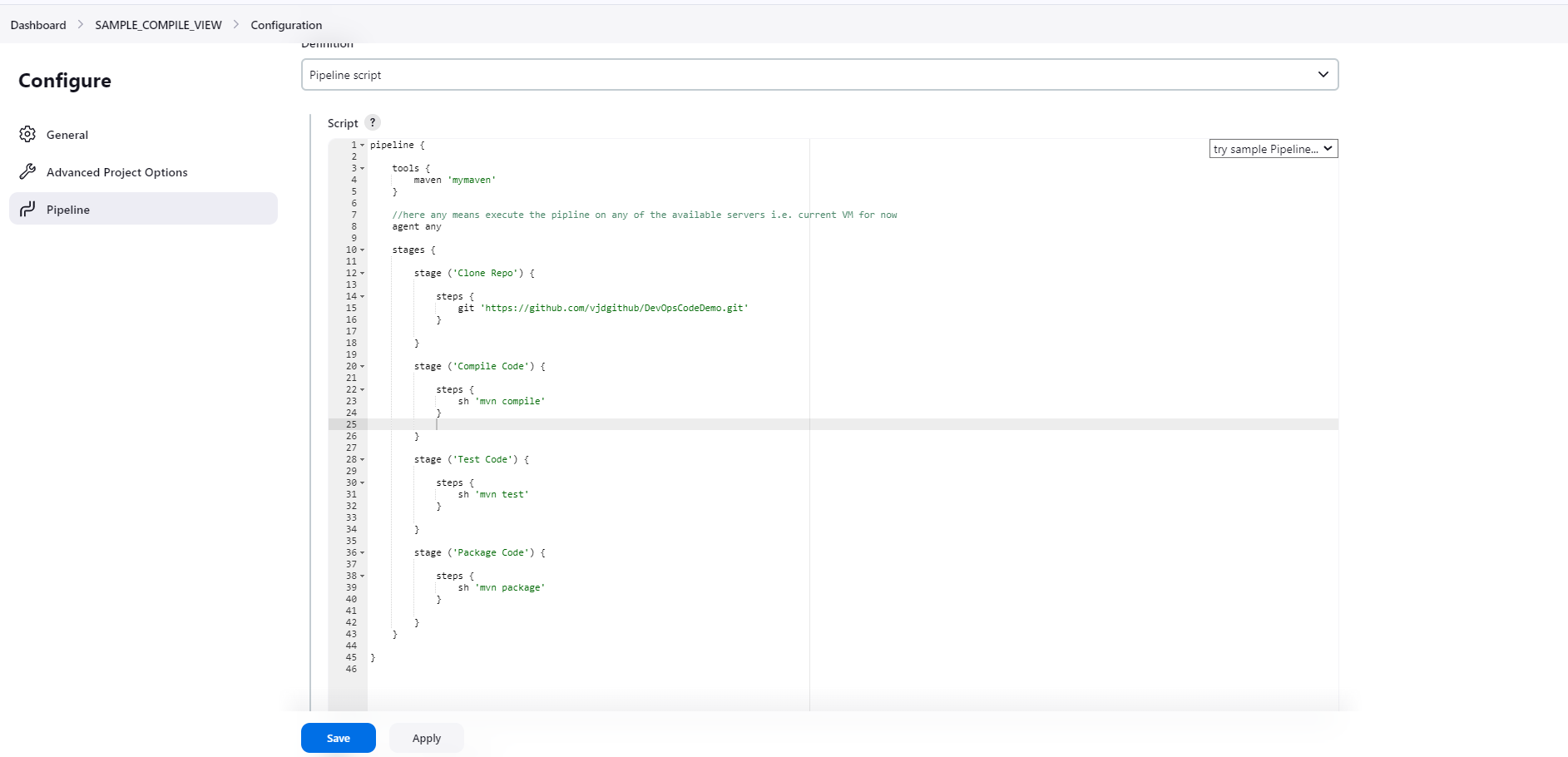


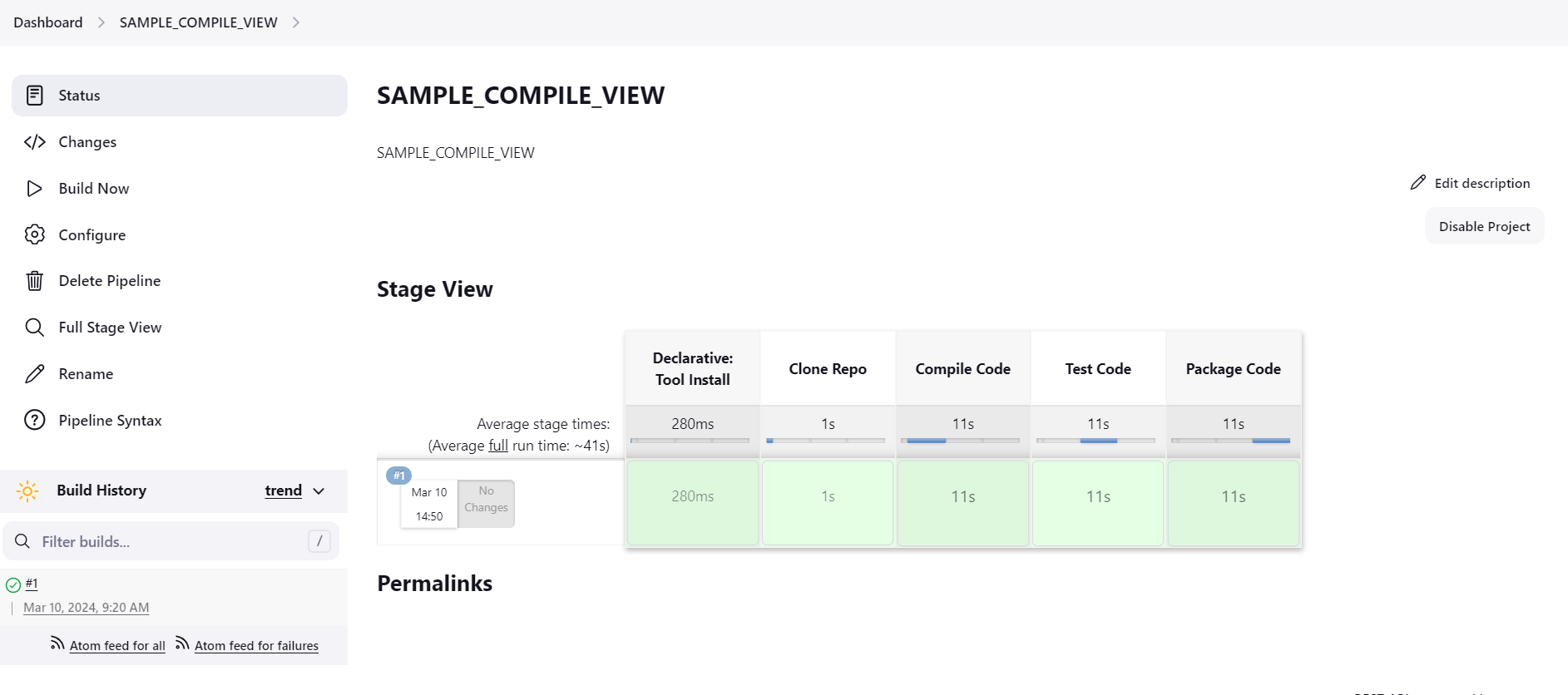


• Create a pipeline named SAMPLE\_COMPILE\_VIEW with Build Pipeline View option, select DEVELOPER\_COMPILE project under layout section, and run the pipeline to check the console output

Take a screenshot of the pipeline dashboard showing the status of the projects







• The pipelines can also be extended to running web tests and load tests. Explain how you would do the same using Jenkins?

By adding **paralell** command we can achieve the extension of pipeline to running web tests and load tests. Below is the sample code

node **{**

stage**(**'Build'**)** **{**

*// Run the Taurus build*

**}**

stage**(**'Performance Tests'**)** **{**

parallel**(**

**BlazeMeterTest:** **{**

dir **(**'Taurus-Repo'**)** **{**

sh 'bzt <file\_name>.yml -report'

**}**

**},**

**Analysis:** **{**

sleep 60

**})**

**}**

stage**(**‘Deploy’**)** **{**

**}**

The above information taken from Jenkins blog as below:

<https://www.jenkins.io/blog/2017/08/17/speaker-blog-blazemeter/>