1) Setup jenkins CICD pipeline using freestyle job using Docker containers using below code.

<https://github.com/betawins/java-Working-app.git>

Stages:

1) Git Clone

2) Sonarqube Integration

3) Maven Compilation

4) Nexus Artifactory

5) Slack Notification

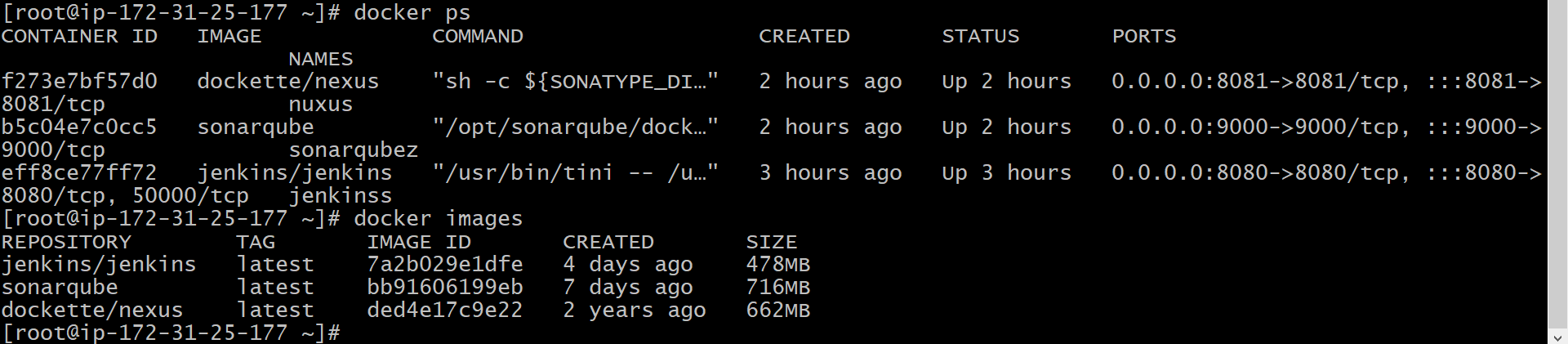
6) Deploy On tomcat

**Pull images:**

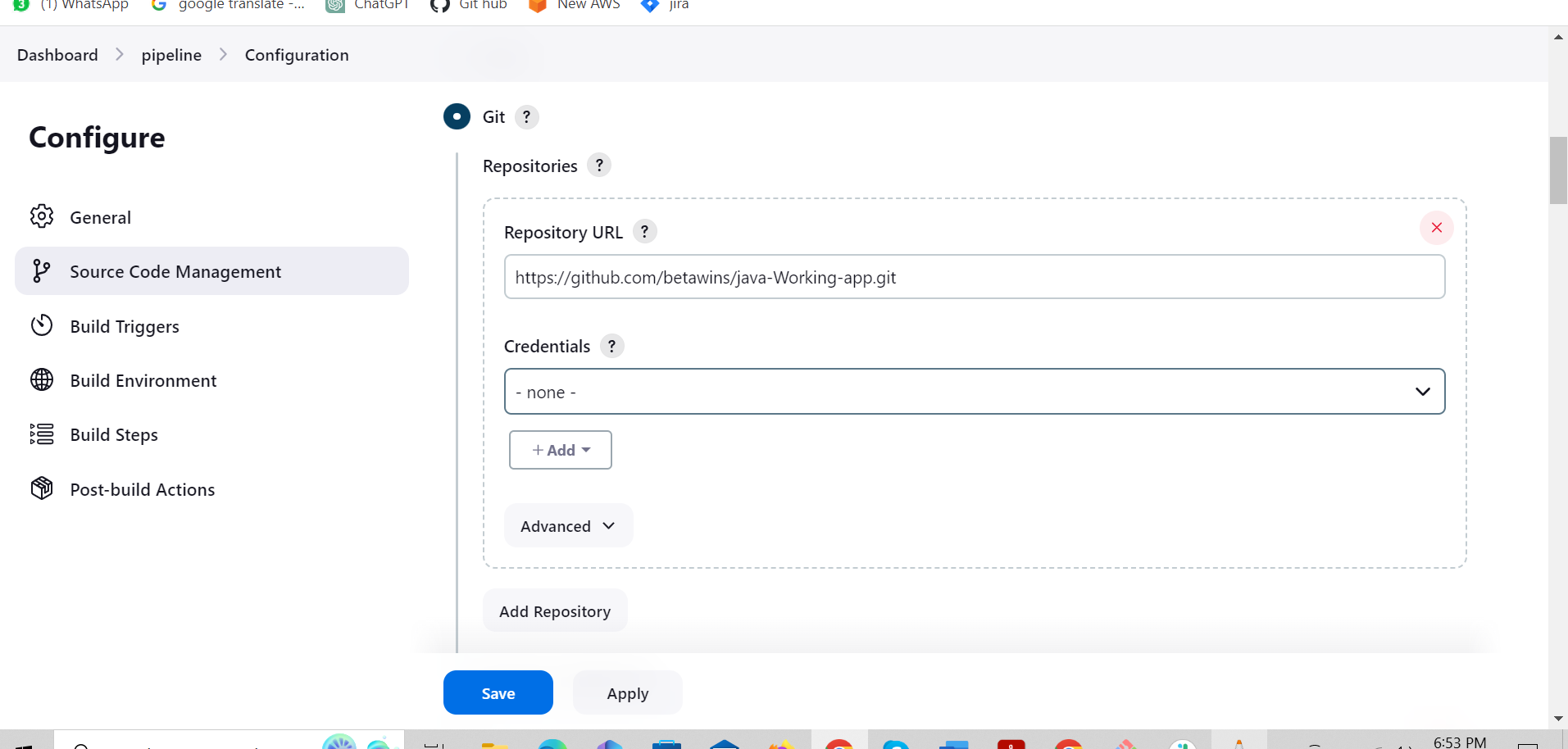
Sonarqube

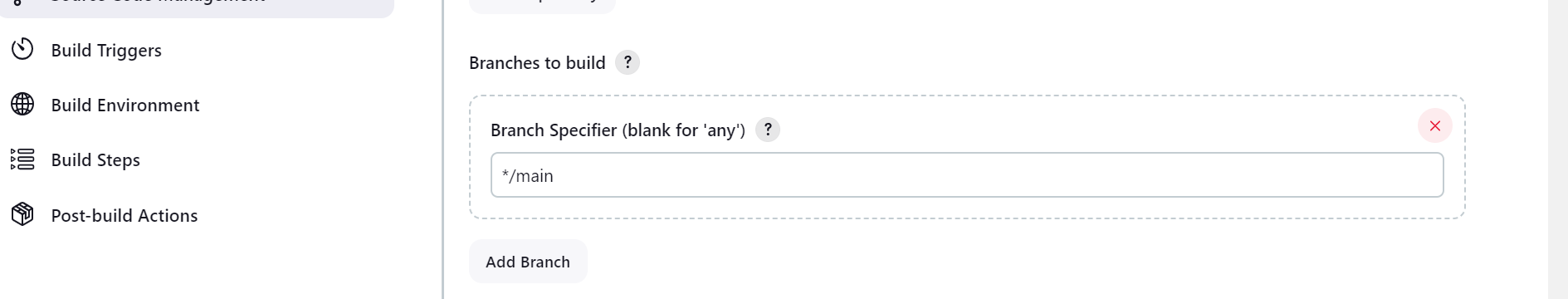
Dockette/nexus

Jenkins/jenkins

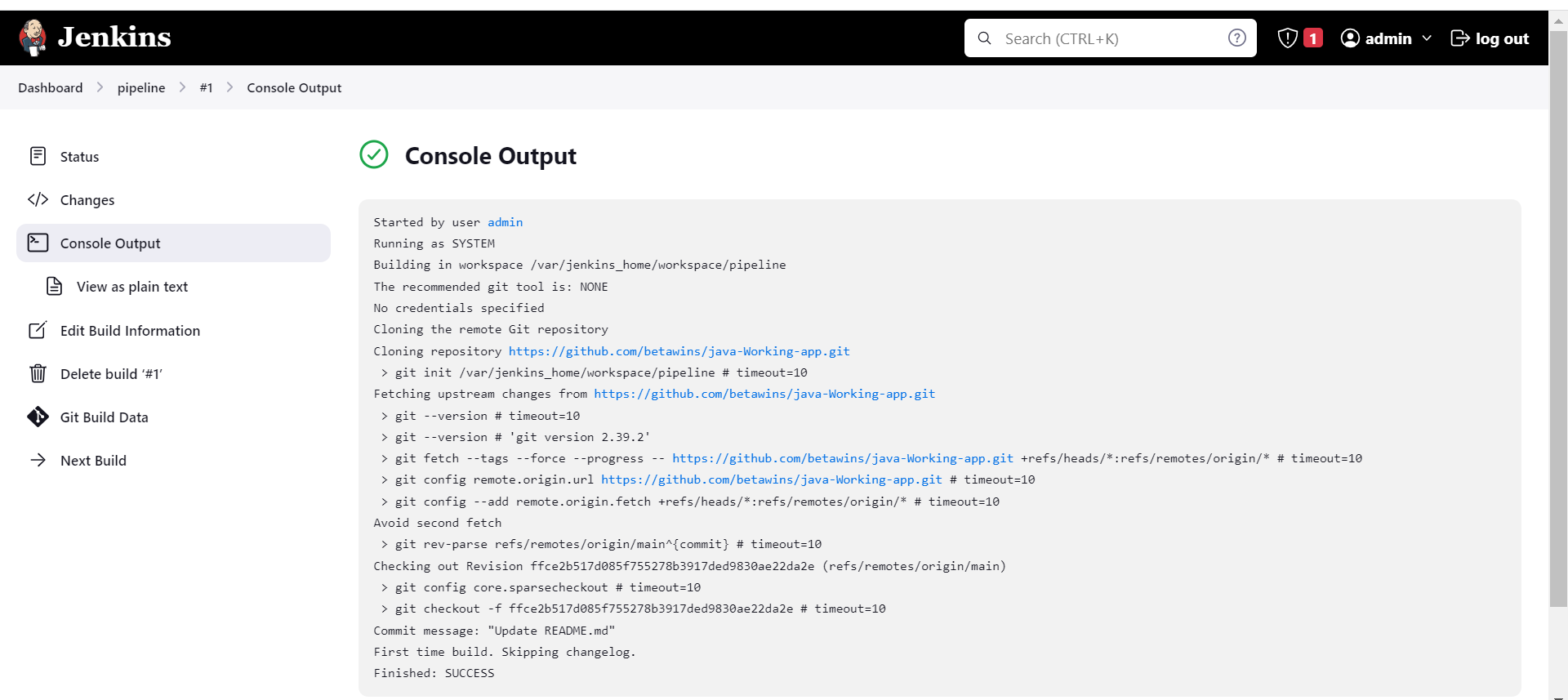


**1) Git Clone**



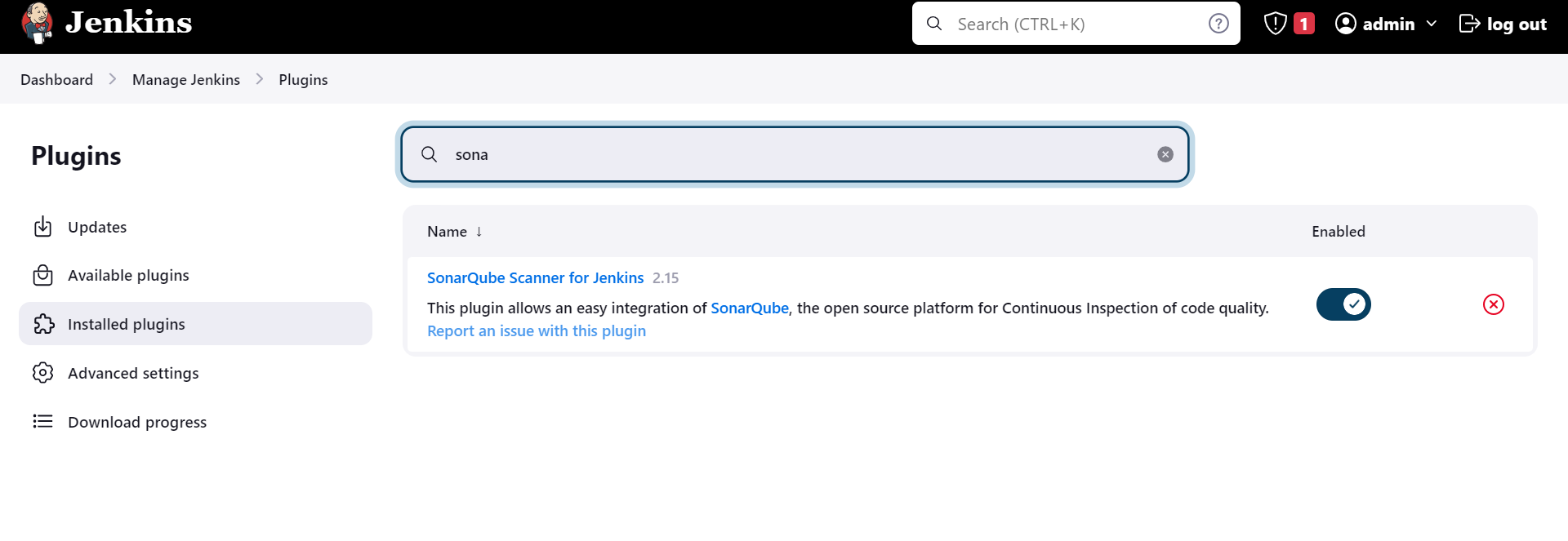


**Output:**

****

2) Sonarqube Integration

Install sonarqube scanner for Jenkins plugin



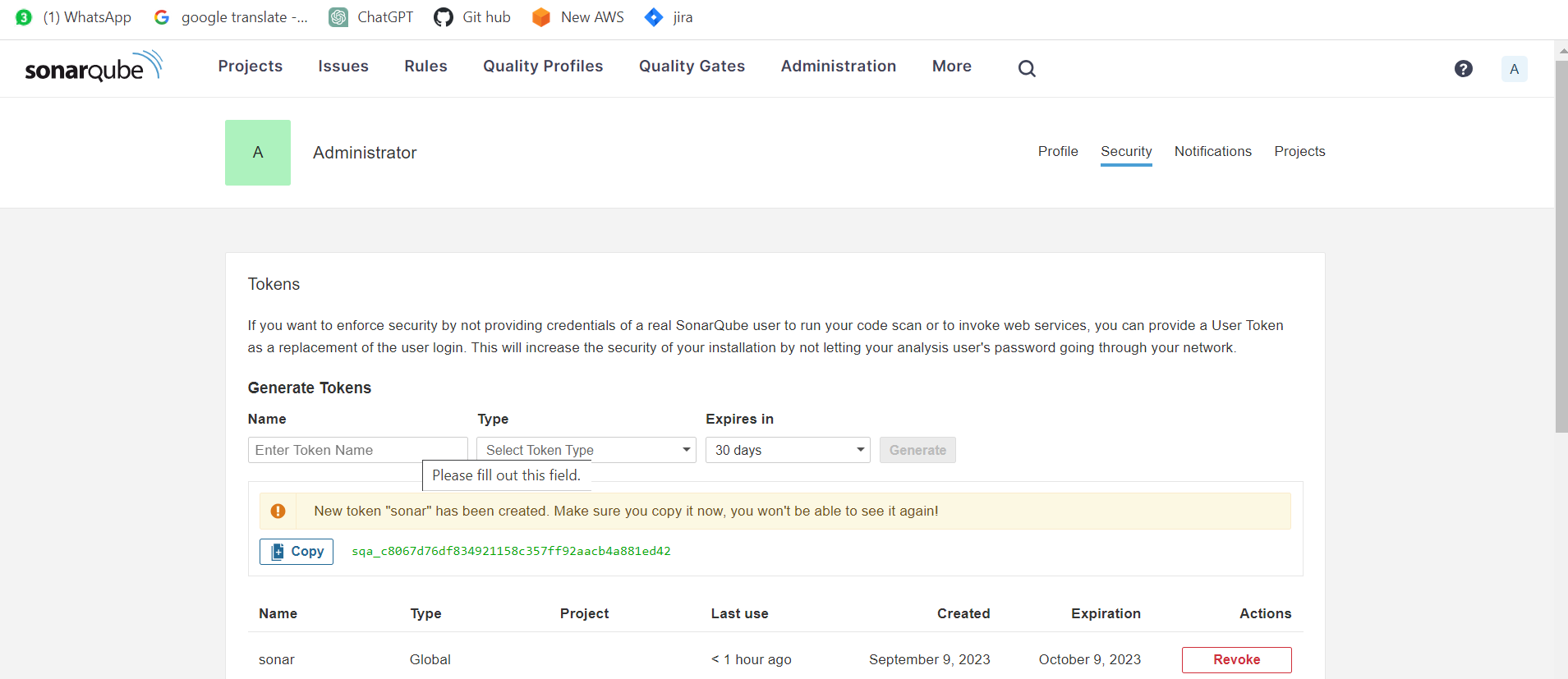
Create a token in sonarqube server

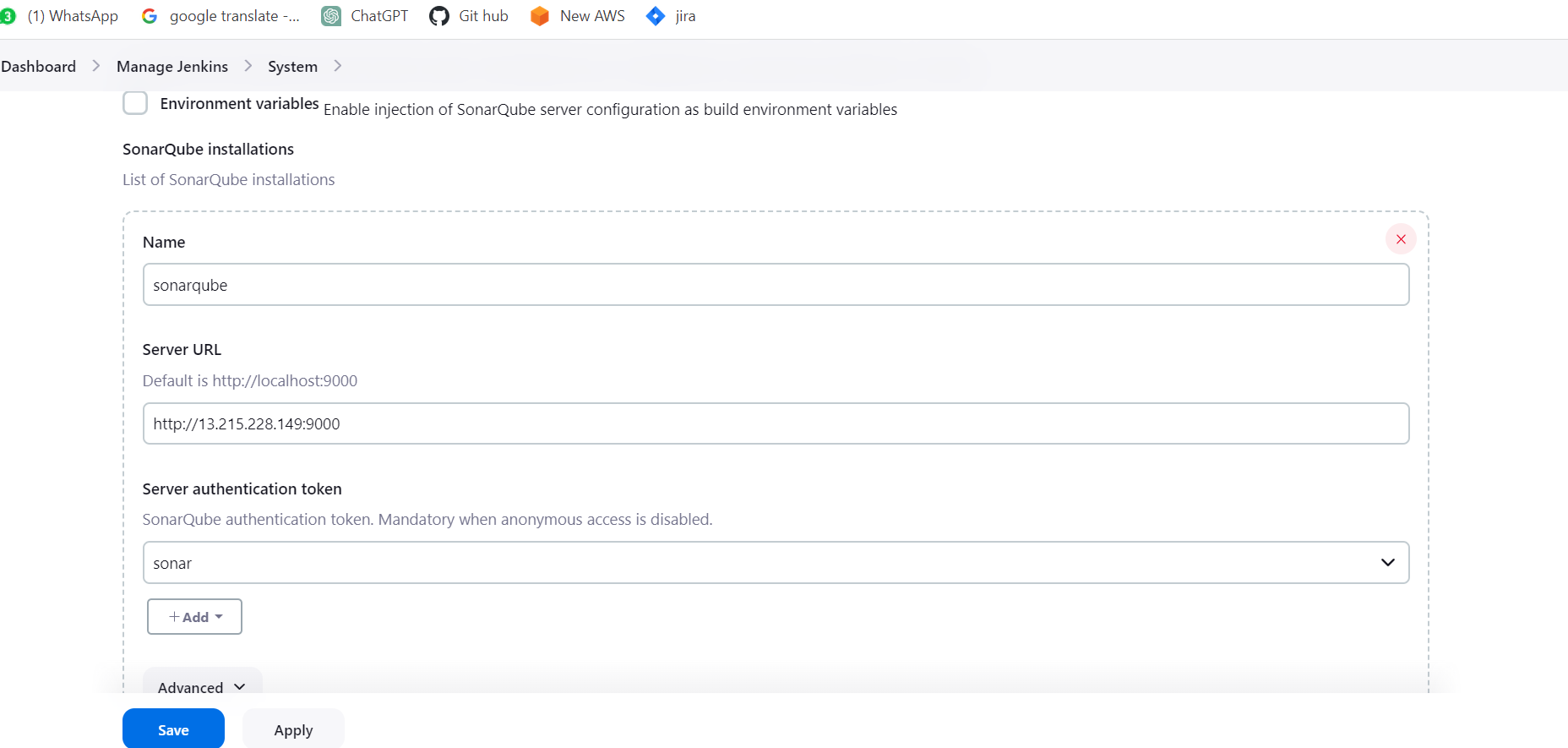
Click on A(administrator) and generate a tokens.

Copy token

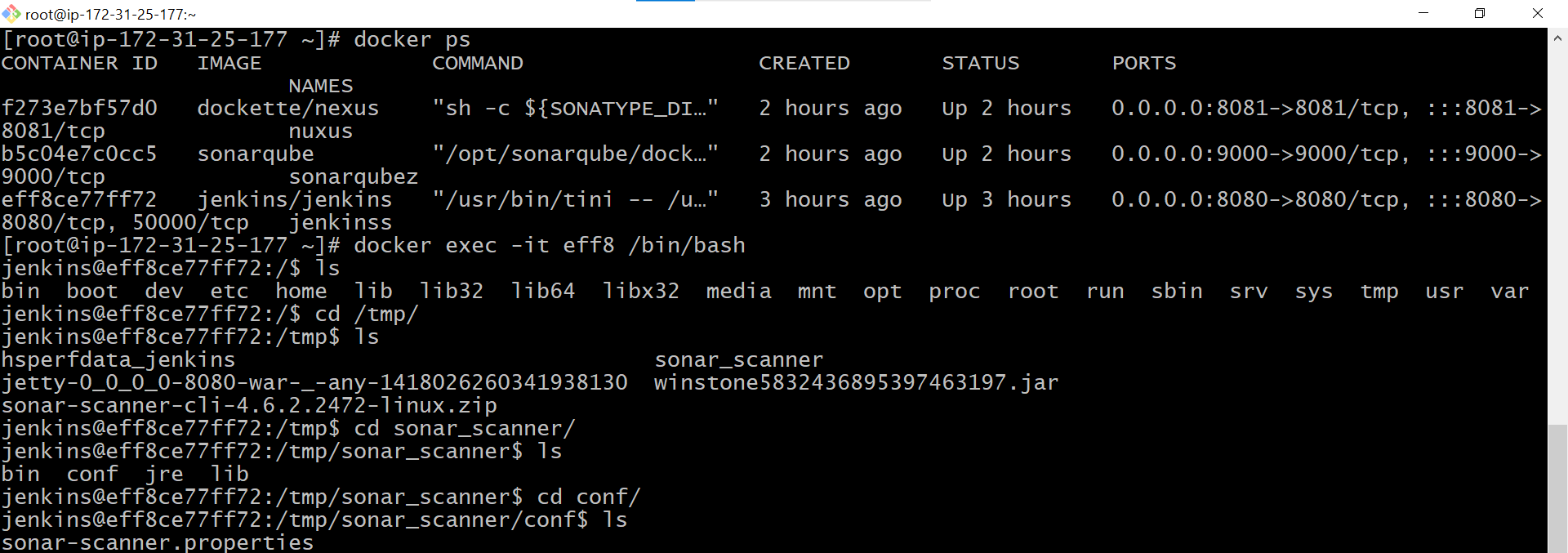
**System configuration:**

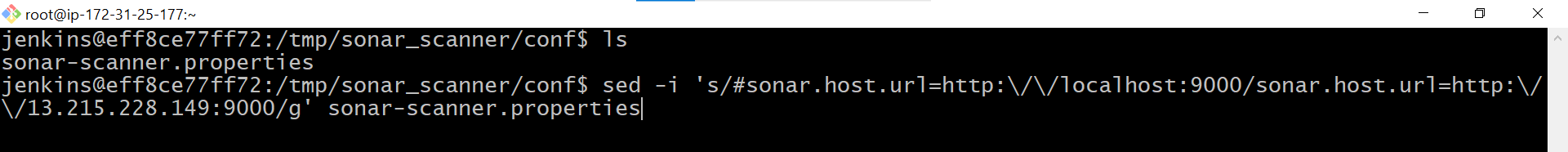
paste into server authentication token (secret text)



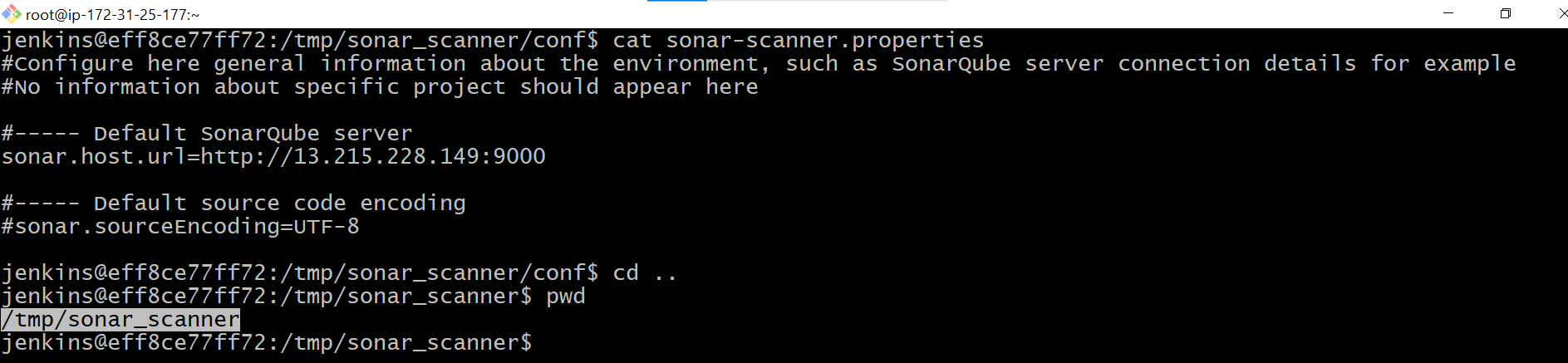


Install sonar\_scanner (wget <https://binaries.sonarsource.com/Distribution/sonar-scanner-cli/sonar-scanner-cli-4.6.2.2472-linux.zip> ) inside Jenkins --> docker exec -it eff8c /bin/bash, cd /tmp/ then install.

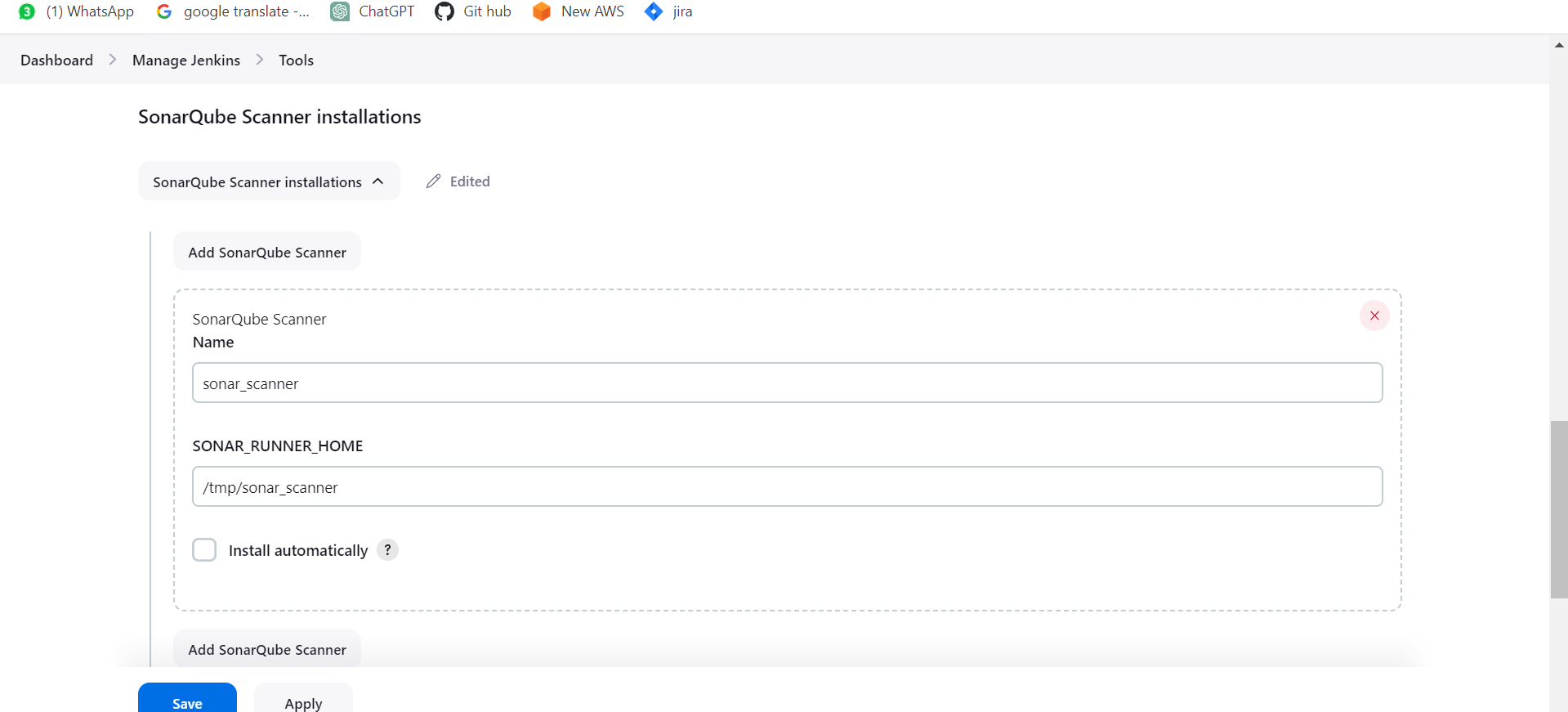




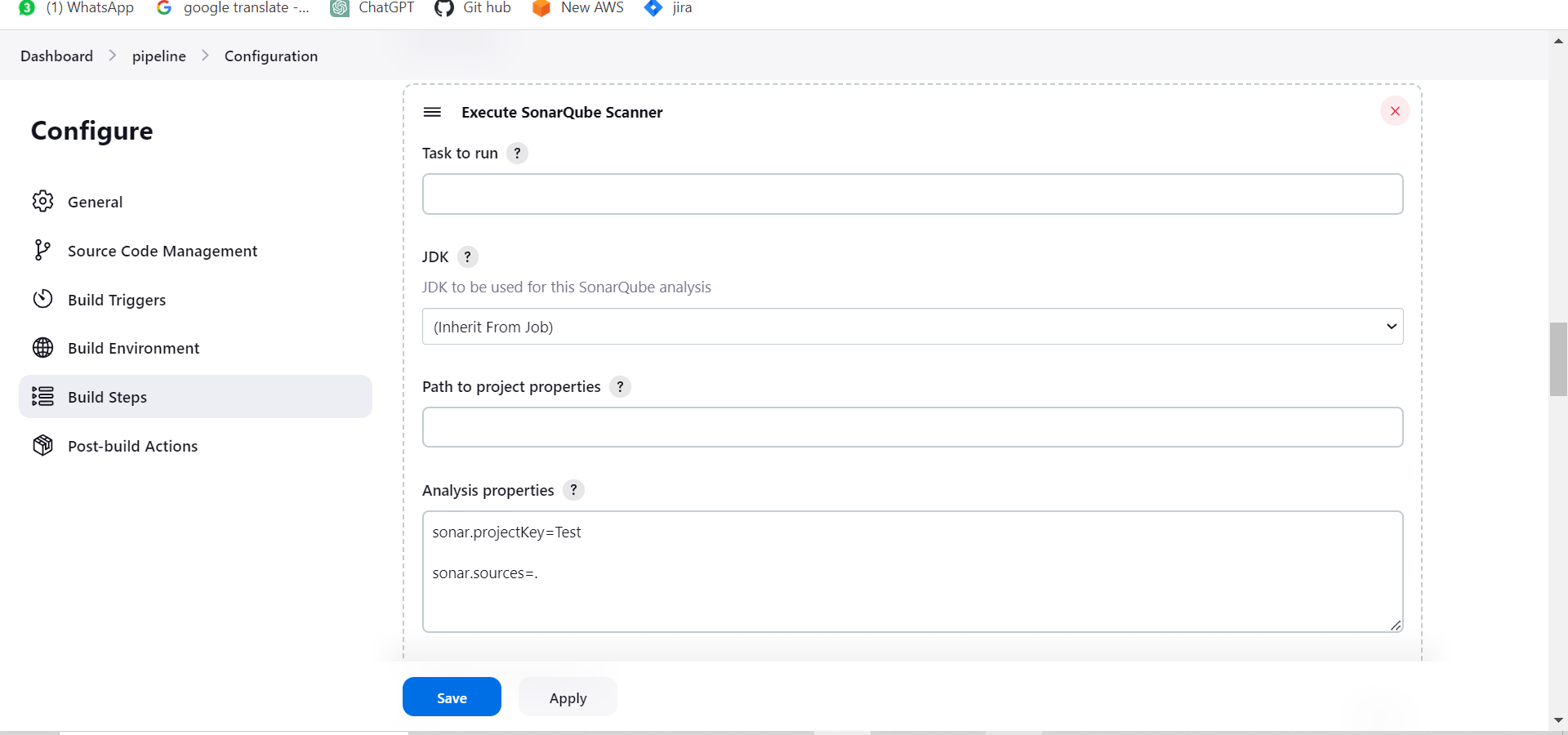
Replace public-ip inside of sonar-scanner.properties



Paste path of where is installed in sonar\_scanner into tools



Now Configure sonarqube

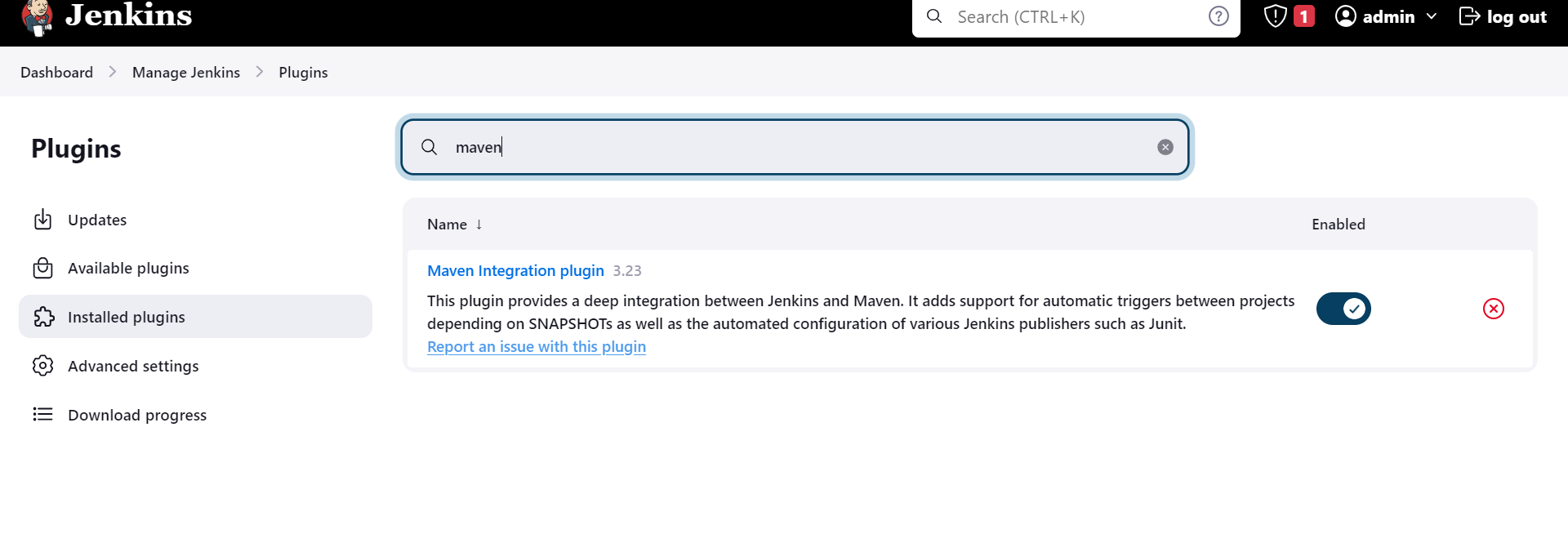
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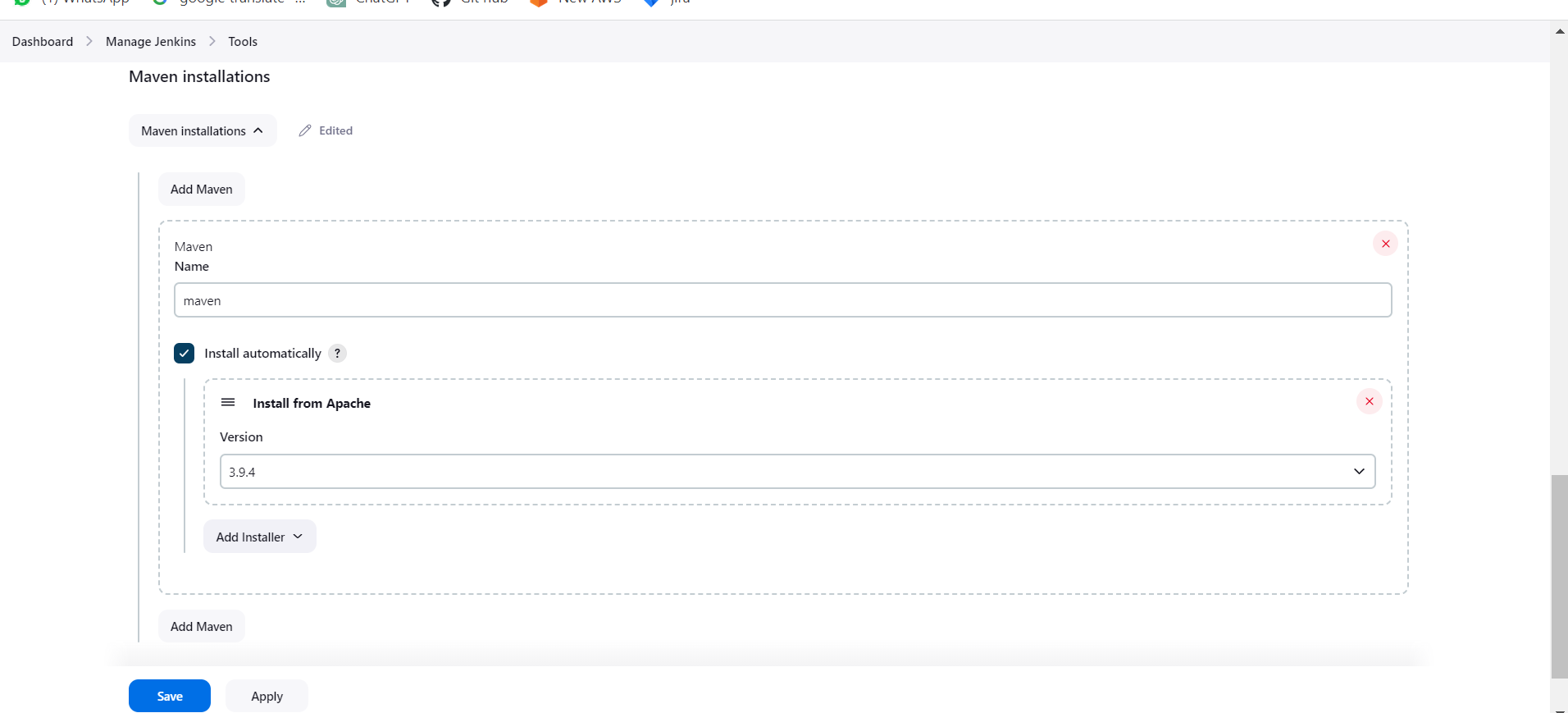
**Output:**

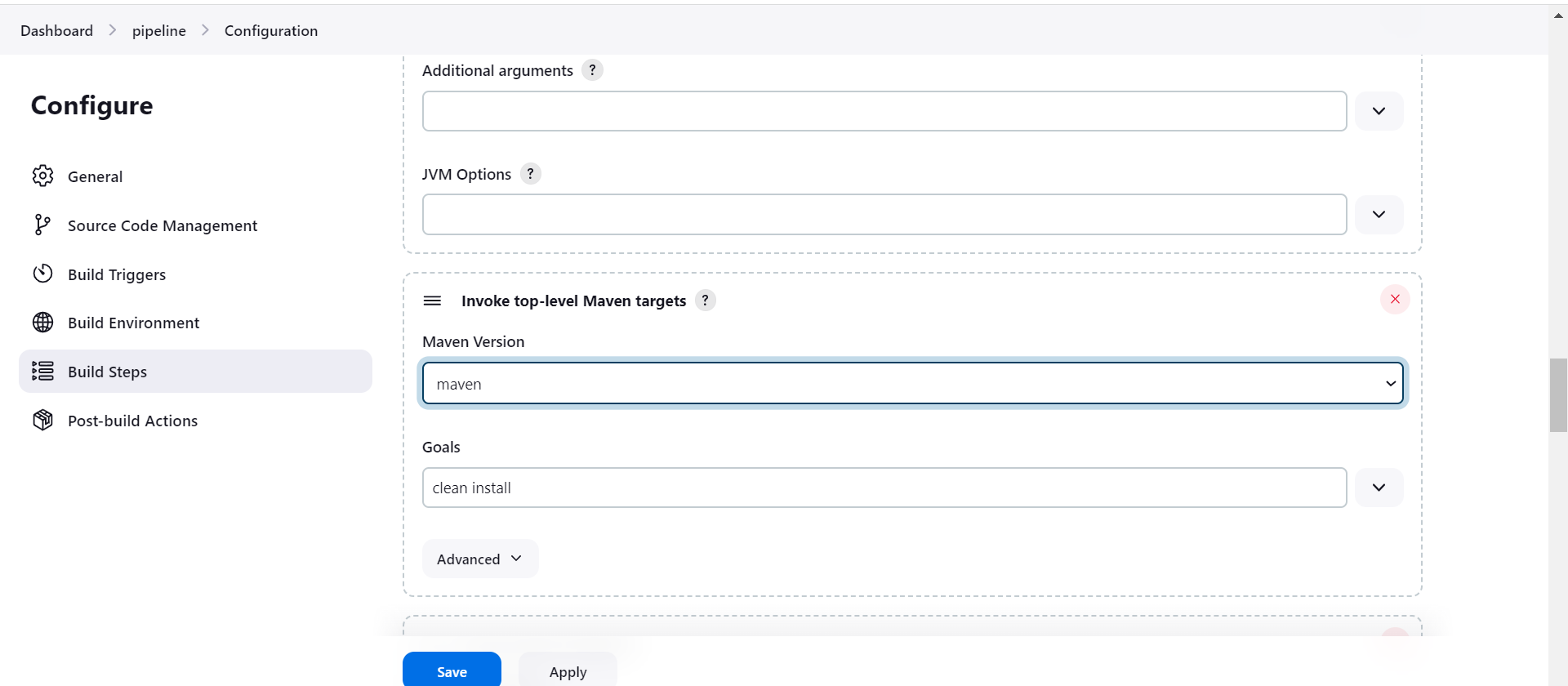
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3) Maven Compilation

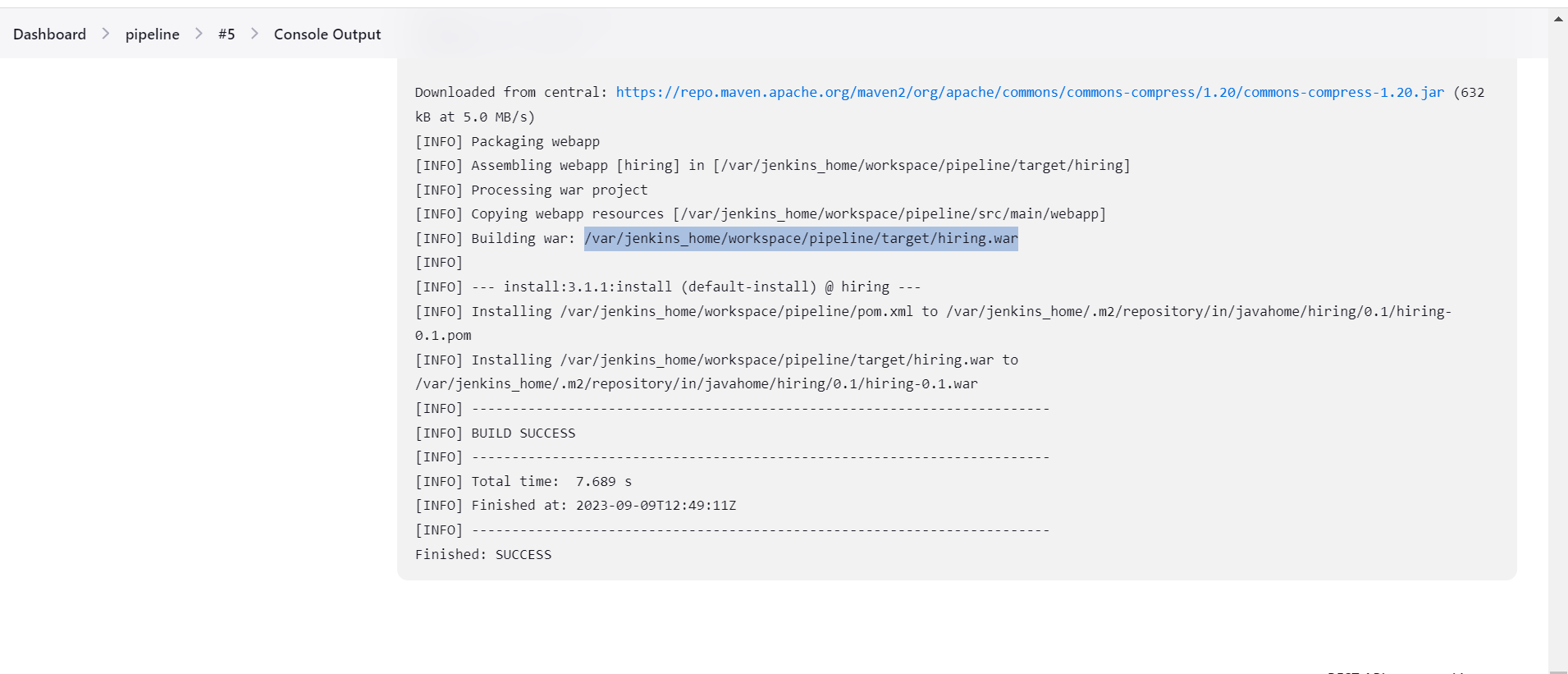
Install maven plugin



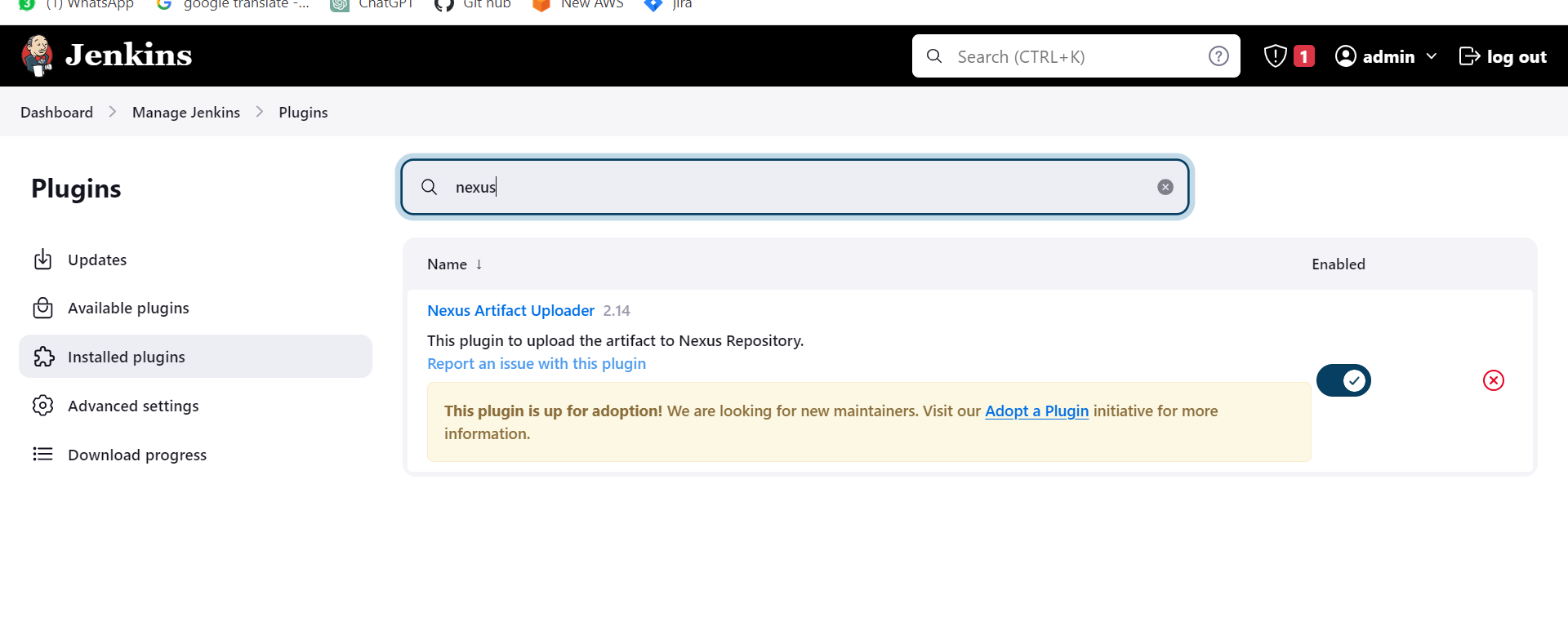




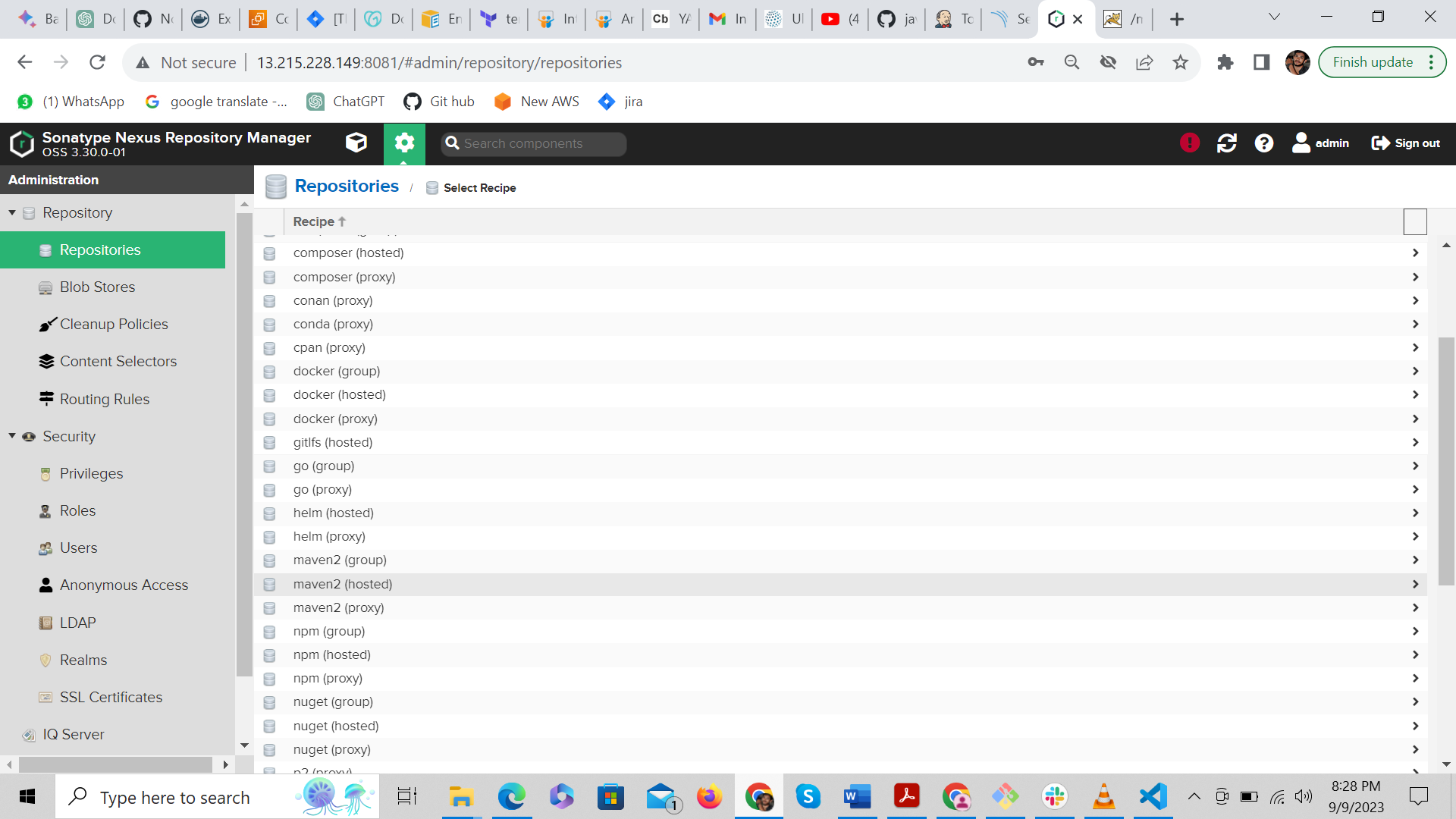
Maven output:



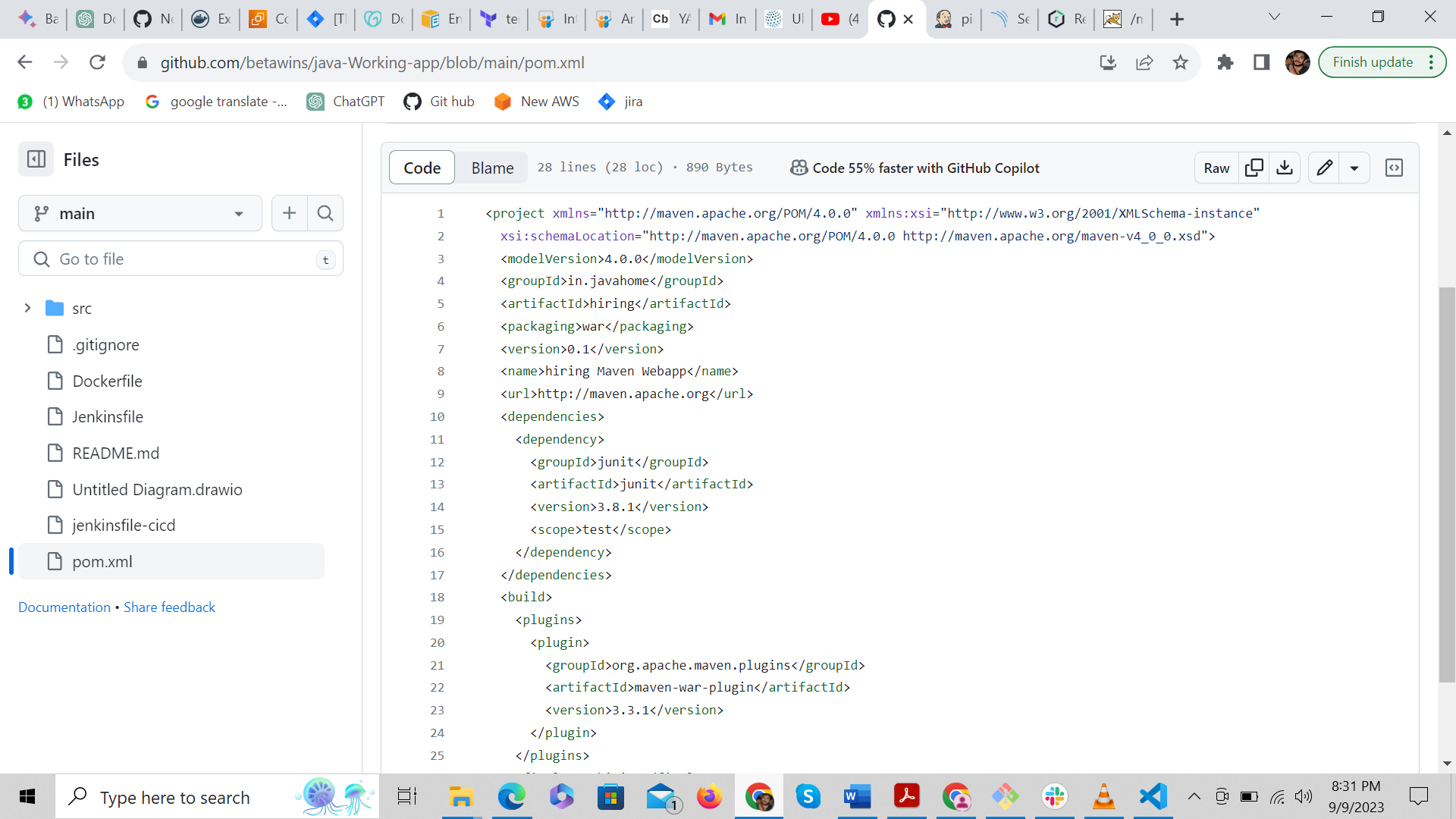
4) Nexus Artifactory

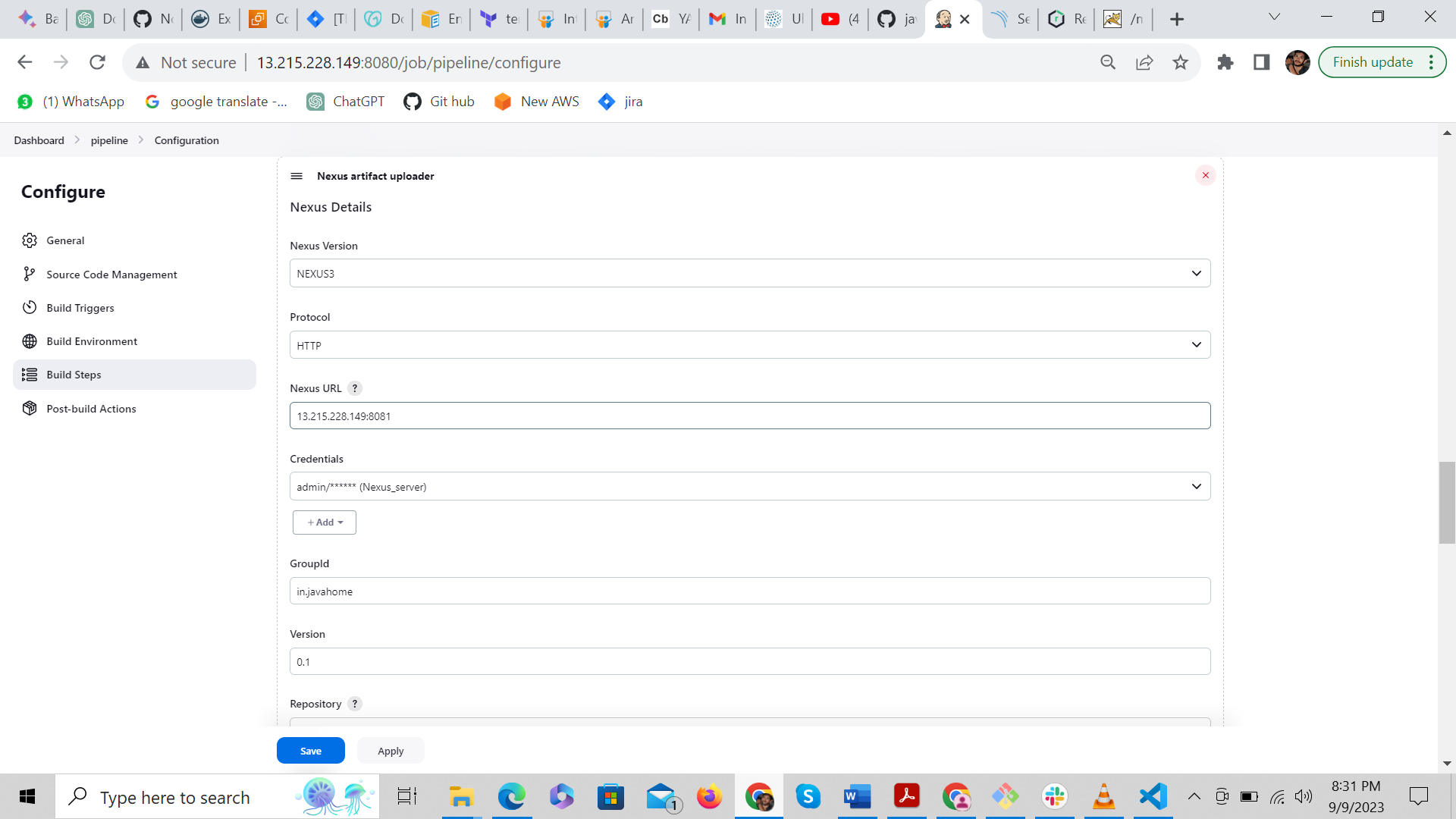


Launch nexus and create a repo



Copy nexus details from pom.xml







Slack:

<https://ncodeit.slack.com/services/B05RKA55PPX?added=1>