

Module 2: Jenkins Plugins

Demo Document -1

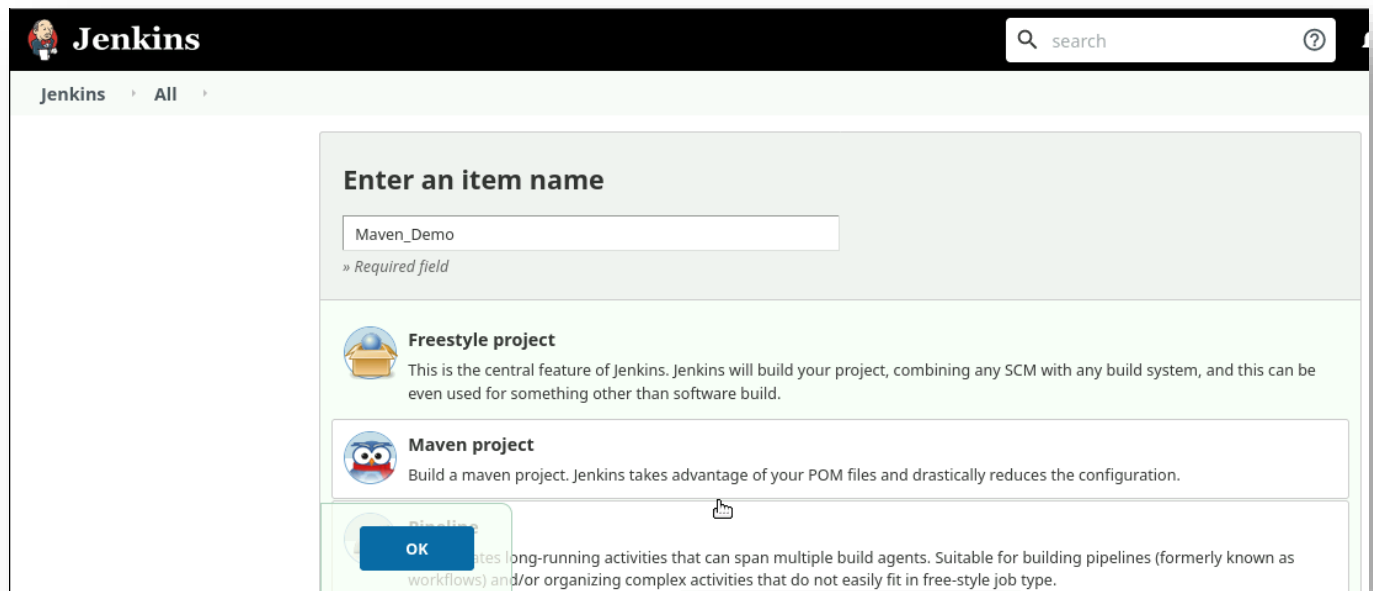
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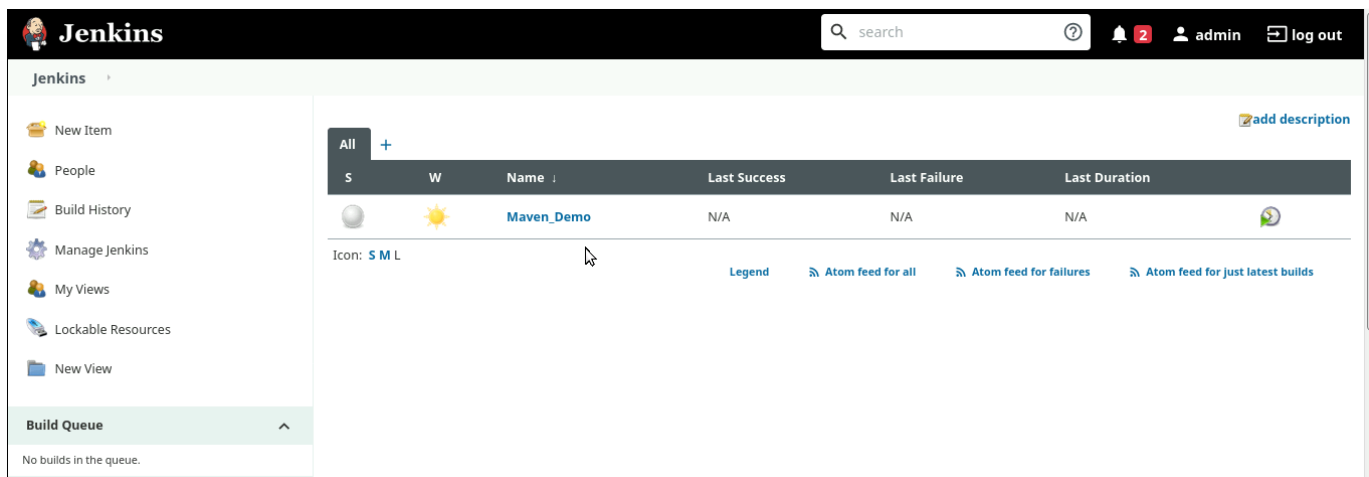
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Demo: Create a maven project to compile a project from GitHub repository.

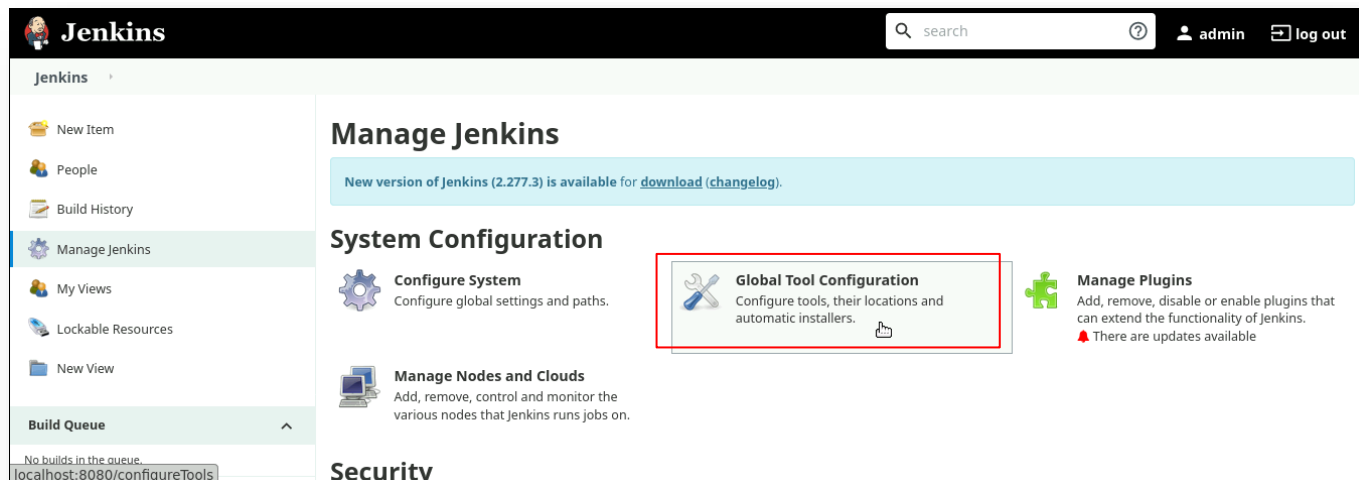
Step 1: Create a maven project using Jenkins.



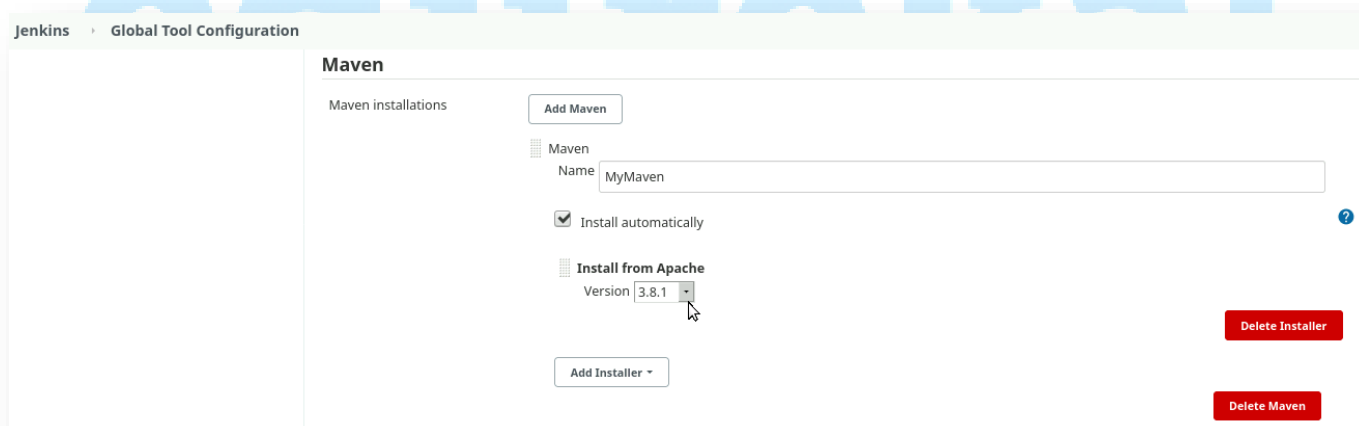
Step 2: Open the Jenkins dashboard to view your project.



Step 3: Go to manage Jenkins and then on Global Tool Configuration.



Step 4: Install the Maven plugin with the latest version available in the drop-down menu of Apache.



Now Jenkins will install the maven automatically.

Step 5: Provide the repository path to your project, which is to be built.

The screenshot shows the Jenkins configuration page for a project named 'Maven_Demo'. The 'Source Code Management' tab is selected. Under 'Source Code Management', the 'Git' radio button is chosen. The 'Repository URL' field contains 'https://github.com/Edureka-123/Maven_Demo.git'. A red error message 'Please enter Git repository.' is displayed below the URL field. The 'Credentials' dropdown is set to '- none -'. There are 'Save' and 'Apply' buttons at the bottom left, and an 'Add Repository' button at the bottom right.

Step 6: Go to the build and check the console output of your project.

The screenshot shows the Jenkins console output for build #1 of the 'MavenDemo' project. The left sidebar contains links to 'Back to Project', 'Status', 'Changes', 'Console Output' (selected), 'View as plain text', 'Edit Build Information', 'Delete build '#1'', 'Git Build Data', and 'Test Result'. The main area displays the console output, which shows the build process starting by user 'admin', running as 'SYSTEM', and cloning the repository 'https://github.com/edureka-git/DevOpsClassCodes.git'. The output includes git commands and their results, such as 'git init', 'git fetch', and 'git rev-parse'.

Jenkins ▸ MavenDemo ▸ #1

```
2/classworlds-1.1-alpha-2.jar (38 kB at 131 kB/s)
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-digest/1.0/plexus-digest-1.0.jar (12 kB at 25 kB/s)
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0.5/plexus-utils-3.0.5.jar (230 kB at 299 kB/s)
[INFO] Installing /var/lib/jenkins/workspace/MavenDemo/target/addressbook.war to /var/lib/jenkins/.m2/repository/com/edurekademo/tutorial/addressbook/2.0/addressbook-2.0.war
[INFO] Installing /var/lib/jenkins/workspace/MavenDemo/pom.xml to /var/lib/jenkins/.m2/repository/com/edurekademo/tutorial/addressbook/2.0/addressbook-2.0.pom
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 25.094 s
[INFO] Finished at: 2021-05-17T03:49:13Z
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving /var/lib/jenkins/workspace/MavenDemo/pom.xml to com.edurekademo.tutorial/addressbook/2.0/addressbook-2.0.pom
[JENKINS] Archiving /var/lib/jenkins/workspace/MavenDemo/target/addressbook.war to com.edurekademo.tutorial/addressbook/2.0/addressbook-2.0.war
channel stopped
Finished: SUCCESS
```

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