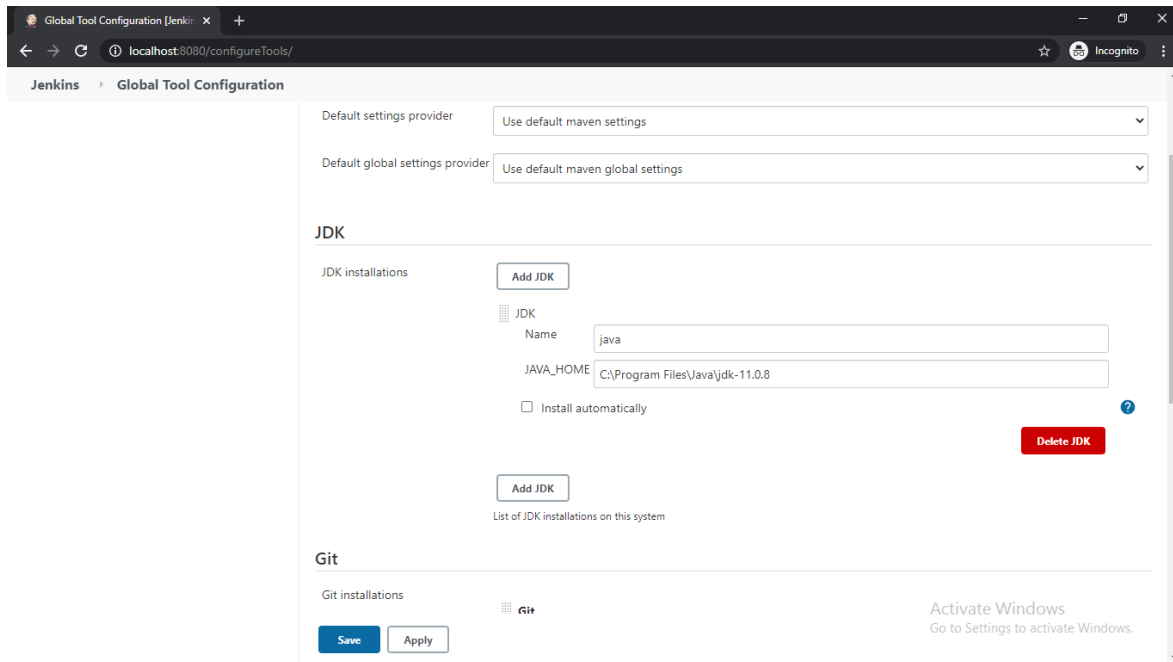


Experiment-3

Step-1 Set the path of java in Jenkins



The screenshot shows the Jenkins Global Tool Configuration page for the JDK section. The browser address bar indicates the URL is localhost:8080/configureTools/. The page has a sidebar with 'Jenkins' and 'Global Tool Configuration'. The main content area has two dropdown menus at the top: 'Default settings provider' and 'Default global settings provider', both set to 'Use default maven settings' and 'Use default maven global settings' respectively. Below these is the 'JDK' section. It includes a table with one entry named 'java' with 'JAVA_HOME' set to 'C:\Program Files\Java\jdk-11.0.8'. There are 'Add JDK' and 'Delete JDK' buttons. At the bottom of the page are 'Save' and 'Apply' buttons, and a Windows activation notice.

Global Tool Configuration [Jenkins] x +

localhost:8080/configureTools/

Jenkins > Global Tool Configuration

Default settings provider Use default maven settings

Default global settings provider Use default maven global settings

JDK

JDK installations

Add JDK

JDK
Name java
JAVA_HOME C:\Program Files\Java\jdk-11.0.8
<input type="checkbox"/> Install automatically

Delete JDK

Add JDK

List of JDK installations on this system

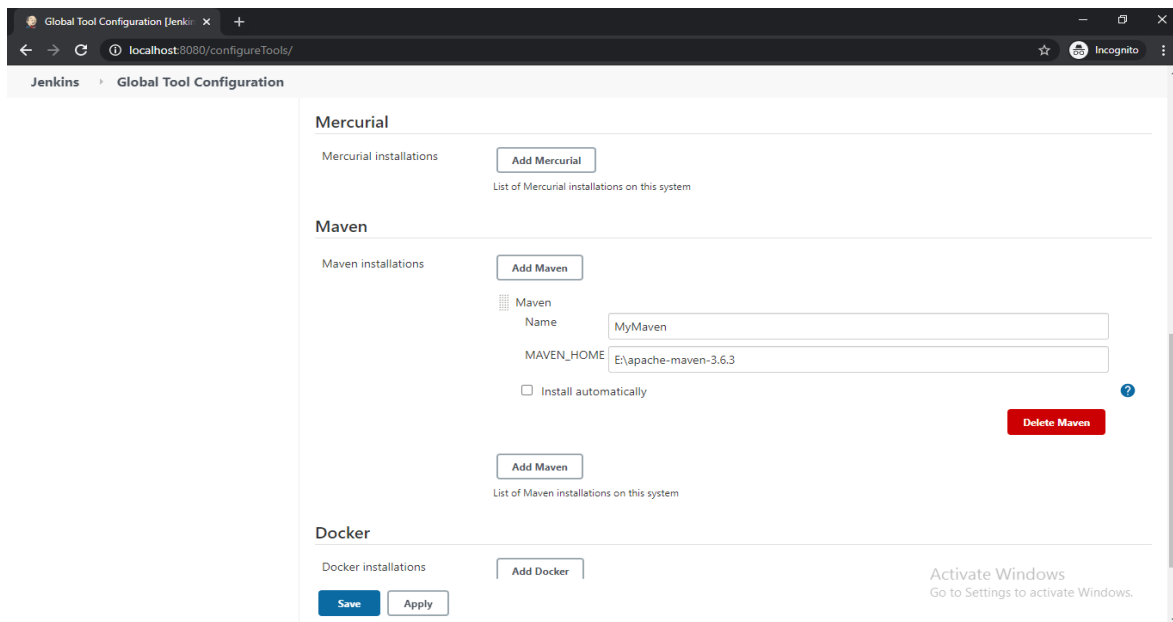
Git

Git installations

Save Apply

Activate Windows
Go to Settings to activate Windows.

Step-2 Set the path of maven in jenkins



The screenshot shows the Jenkins Global Tool Configuration page for the Maven section. The browser address bar indicates the URL is localhost:8080/configureTools/. The page has a sidebar with 'Jenkins' and 'Global Tool Configuration'. The main content area has sections for 'Mercurial' and 'Maven'. The 'Maven' section includes a table with one entry named 'MyMaven' with 'MAVEN_HOME' set to 'E:\apache-maven-3.6.3'. There are 'Add Maven' and 'Delete Maven' buttons. At the bottom of the page are 'Save' and 'Apply' buttons, and a Windows activation notice.

Global Tool Configuration [Jenkins] x +

localhost:8080/configureTools/

Jenkins > Global Tool Configuration

Mercurial

Mercurial installations

Add Mercurial

List of Mercurial installations on this system

Maven

Maven installations

Add Maven

Maven
Name MyMaven
MAVEN_HOME E:\apache-maven-3.6.3
<input type="checkbox"/> Install automatically

Delete Maven

Add Maven

List of Maven installations on this system

Docker

Docker installations

Add Docker

Save Apply

Activate Windows
Go to Settings to activate Windows.

Step-3 Create a new job of maven project type

New Item [Jenkins]

localhost:8080/view/all/new/job

Jenkins

search

admin log out

Enter an item name

CICD Lab 3

» Required field

Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

OK

Cancel

Activate Windows
Go to Settings to activate Windows.

Step-4 Give the github repo url inside the job where we have pom.xml located

CICD Lab 3 Config [Jenkins]

localhost:8080/job/CICD%20Lab%203/configure

Jenkins

CICD Lab 3

General Source Code Management Build Triggers Build Environment Pre Steps Build Post Steps Build Settings

Post-build Actions

Source Code Management

☐ None
☒ Git

Repositories

Repository URL https://github.com/Ma9si/Brm_Lab10.git

Credentials - none - Add

Advanced... Add Repository

Branches to build

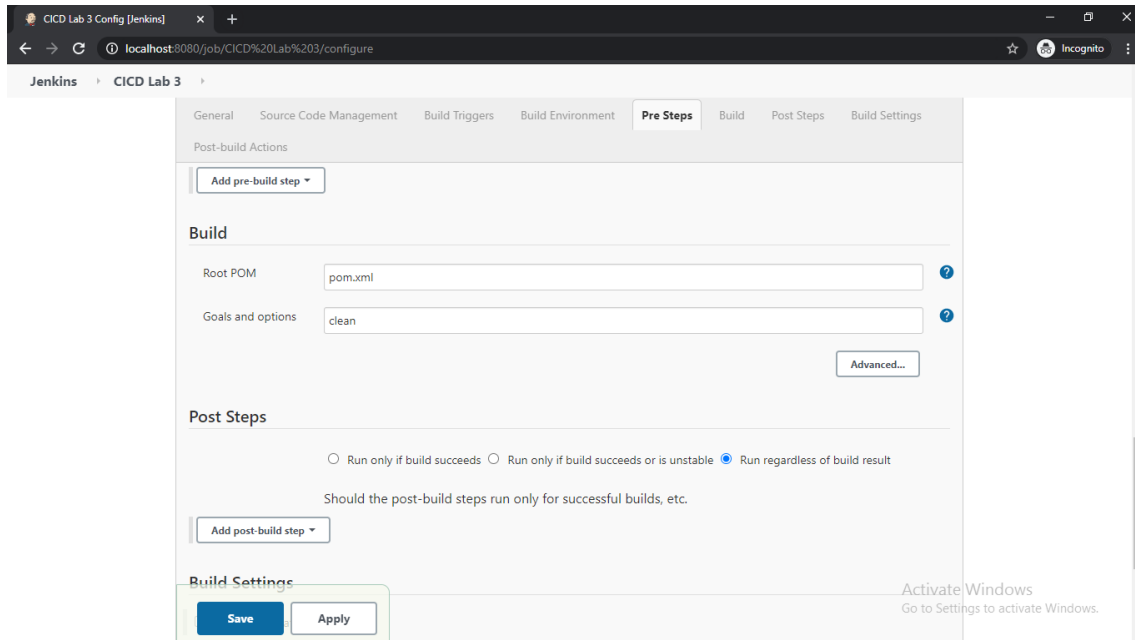
Branch Specifier (blank for 'any') */master

Add Branch

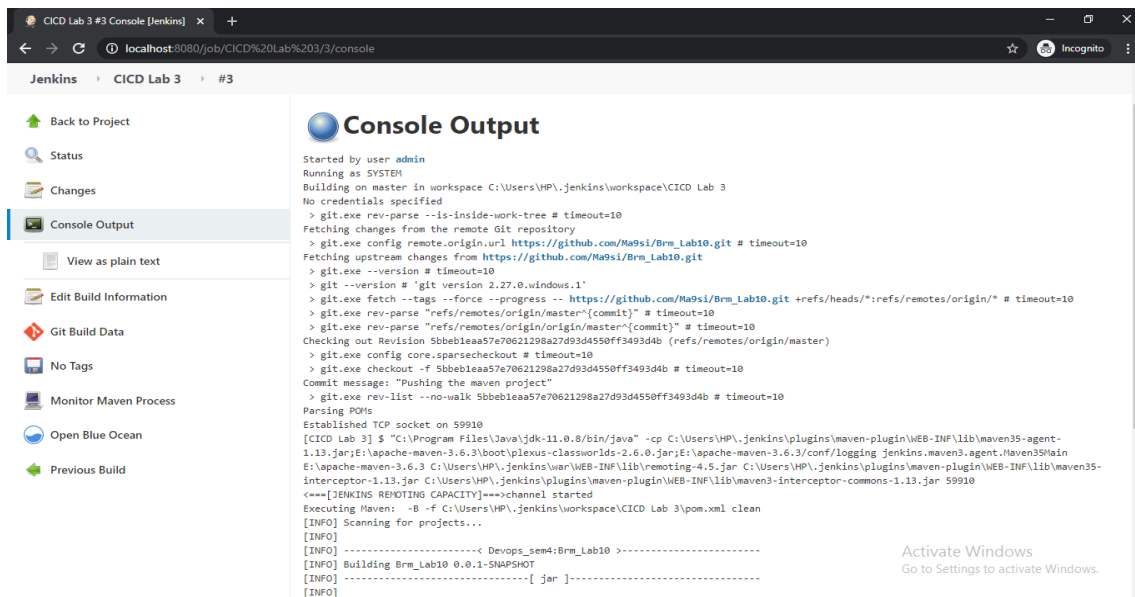
Save Apply

Activate Windows
Go to Settings to activate Windows.

Step-5 Give the specific goal like clean, install over here



Step-6 Job has been run successfully



CICD Lab 3 #3 Console [Jenkins]

localhost:8080/job/CICD%20Lab%203/console

Incognito

Jenkins

CICD Lab 3

#3

Redeploy Artifacts

See Fingerprints

Open Blue Ocean

Previous Build

Next Build

Parsing POMs

Established TCP socket on 59910

[CICD Lab 3] \$ "C:\Program Files\Java\jdk-11.0.8\bin/java" -cp C:\Users\HP\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven35-agent-1.13.jar;E:\apache-maven-3.6.3\boot\plexus-classworlds-2.6.0.jar;E:\apache-maven-3.6.3\conf\logging-jenkins.maven3.agent.Maven35MainE:\apache-maven-3.6.3 C:\Users\HP\.jenkins\war\WEB-INF\lib\remoting-4.5.jar C:\Users\HP\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven35-interceptor-1.13.jar C:\Users\HP\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven3-interceptor-commons-1.13.jar 59910

<===[JENKINS REMOTING CAPACITY]==>channel started

Executing Maven: -B -f C:\Users\HP\.jenkins\workspace\CICD Lab 3\pom.xml clean

[INFO] Scanning for projects...

[INFO] -----< Devops_sem4:Brm_Lab10 >-----

[INFO] Building Brm_Lab10 0.0.1-SNAPSHOT

[INFO] -----[jar]-----

[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ Brm_Lab10 ---

[INFO] Deleting C:\Users\HP\.jenkins\workspace\CICD Lab 3\target

[INFO] BUILD SUCCESS

[INFO] Total time: 2.006 s

[INFO] Finished at: 2020-10-13T13:58:20+05:30

[WARNING] The requested profile "profile1" could not be activated because it does not exist.

[WARNING] The requested profile "profile2" could not be activated because it does not exist.

Waiting for Jenkins to finish collecting data

[JENKINS] Archiving C:\Users\HP\.jenkins\workspace\CICD Lab 3\pom.xml to Devops_sem4/Brm_Lab10/0.0.1-SNAPSHOT/Brm_Lab10-0.0.1-SNAPSHOT.pom

channel stopped

Finished: SUCCESS

Activate Windows

Go to Settings to activate Windows.

REST API Jenkins 2.252