

Jenkins Demo

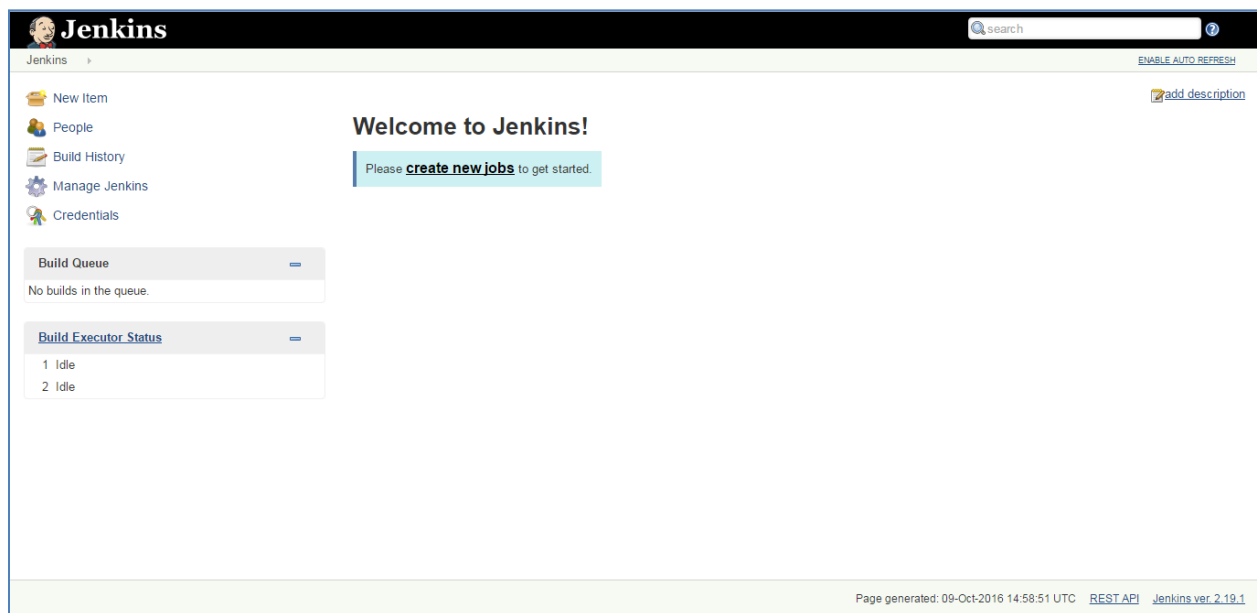
1. Access Jenkins

Step 1: Bring up your vagrant VM and login. Check “1_setup_instructions” document

Step 2: on your host machine (windows) open chrome and type in the below url. Jenkins is running on port 8085.

```
http://192.168.33.10:8085
```

You should see the below



2. Global Tool Configuration

This is to let Jenkins know where java, maven, git etc are

Click on Manage Jenkins

Click on Global Tool Configurations

Step 3: JDK settings

Click on "Add JDK"

Uncheck Install automatically

Enter Name: java7

JAVA_HOME: /usr/lib/jvm/java-7-openjdk-i386

JDK

JDK installations

JDK
<div>Namejava7</div> <div>JAVA_HOME/usr/lib/jvm/java-7-openjdk-i386</div> <div><input type="checkbox"/> Install automatically</div>

Delete JDK

Step 4: Scroll down and Click on Add Maven

Click on "Add Maven"

Uncheck Install automatically

Enter Name: maven

MAVEN_HOME: /usr/share/maven

Maven

Maven installations

Maven
<div>Namemaven</div> <div>MAVEN_HOME/usr/share/maven</div> <div><input type="checkbox"/> Install automatically</div>

Delete Maven

Add Maven

List of Maven installations on this system

Step 5: Click on Save. This will take you back to Jenkins dashboard

3. Create a Jenkins Build Job

Step 6: Click on create new jobs

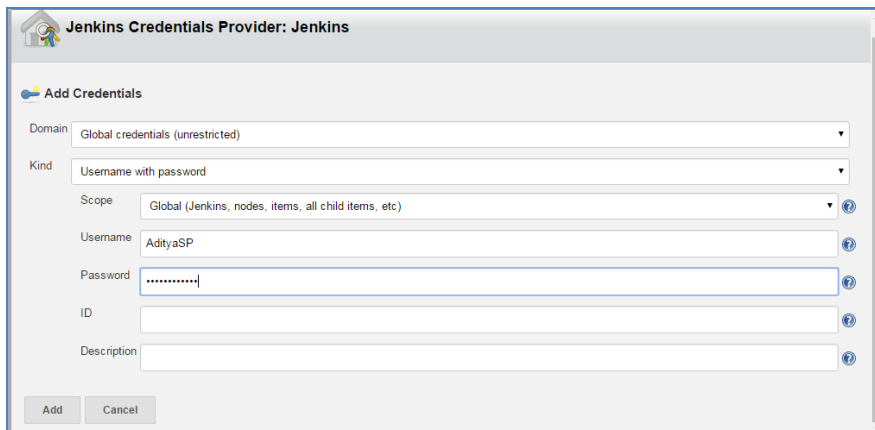
Click on "create new jobs"
Item Name : devopsdemo
Select Freestyle project
Click on OK

Step 7: Source Code Management

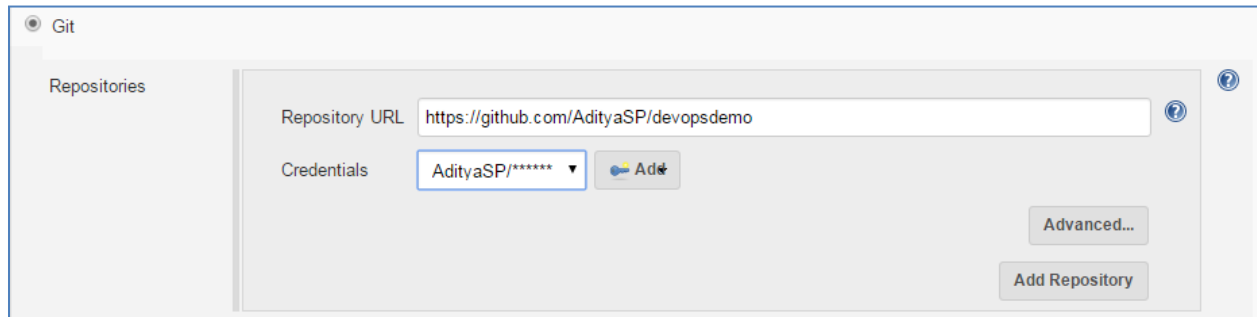
Select radio button git
Repository URL : <https://github.com/AdityaSP/devopsdemo>
Click on Add for credentials



Step 8: In the pop up that comes upon clicking of Add->Jenkins in the above step enter your git hub credentials for Username and Password and click on Add

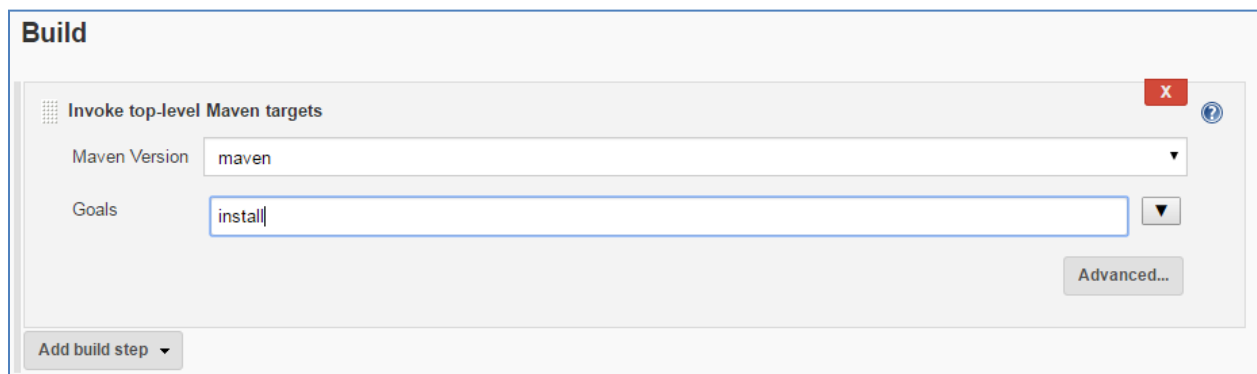


Step 9: Select the newly added credentials



The screenshot shows the 'Add Repository' dialog in Jenkins. The 'Git' tab is selected. The 'Repository URL' field contains 'https://github.com/AdityaSP/devopsdemo'. The 'Credentials' dropdown menu is open, showing 'AdityaSP/*****' as the selected option. There is an 'Add' button next to the dropdown. At the bottom right, there are 'Advanced...' and 'Add Repository' buttons.

Step 10: Scroll down and click on Add build Step and select “Invoke top level maven targets”. Enter Choose “maven” – This actually points to the maven that was previously set up during Jenkins global tool setup. Enter “install” in the Goals



The screenshot shows the 'Build' configuration page in Jenkins. The 'Invoke top-level Maven targets' build step is selected. The 'Maven Version' dropdown is set to 'maven'. The 'Goals' text field contains 'install'. There is an 'Advanced...' button at the bottom right. At the bottom left, there is an 'Add build step' button.

Step 11: Click on Save. This will take you to the project devopsdemo dashboard

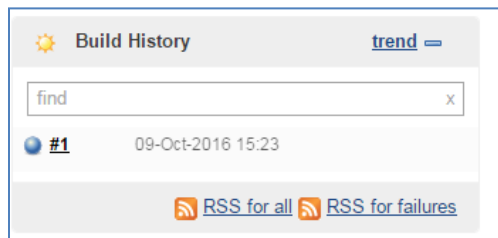


The screenshot shows the Jenkins 'Project devopsdemo' dashboard. The left sidebar contains links: 'Back to Dashboard', 'Status', 'Changes', 'Workspace', 'Build Now', 'Delete Project', 'Configure', and 'Move'. The main area has a 'Project devopsdemo' title, a 'Workspace' link, a 'Recent Changes' link, and a 'Permalinks' section. At the bottom, there is a 'Build History' section with a search bar and 'RSS for all' and 'RSS for failures' links. On the top right, there is an 'ENABLE AUTO REFRESH' link and a 'Disable Project' button.

4. Kicking off a build

Step 12: Click on Build Now to start a build.







This step will now download the code from devopsdemo and run maven install on it. This step will take a few minutes to complete. When its done you should see a blue icon in the build history which indicates success



Step 13: Click on Workspace and browse the folder structure. You should be able to spot the folders we looked at during our Maven demo. For eg. Target, surefire-reports, maven-devops-demo-1.0.1-SNAPSHOT.jar



Step 14: Go to homepage of Jenkins and check the build dashboard. You can trigger as many builds that you want.

All					
S	W	Name ↓	Last Success	Last Failure	Last Duration
		devopsdemo	6 min 30 sec - #1	N/A	2 min 55 sec 
Icon: S M L					
Legend  RSS for all  RSS for failures  RSS for just latest builds					

Congrats you have now successfully implemented a CI system!