

<u>Lab Experiment-10</u> Nexus Integration with Jenkins

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COURSE – B. Tech CSE- DevOps Batch 1

SUBJECT – Continuous Integration and Deployment

SEMESTER – 5th semester

Submitted To:

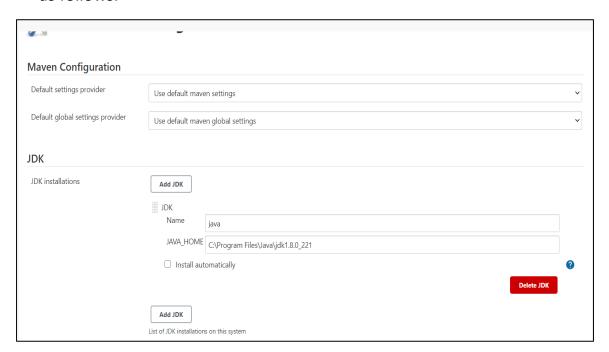
Dr. Hitesh Kumar Sir

Experiment for demonstrating Nexus Integration with Jenkins

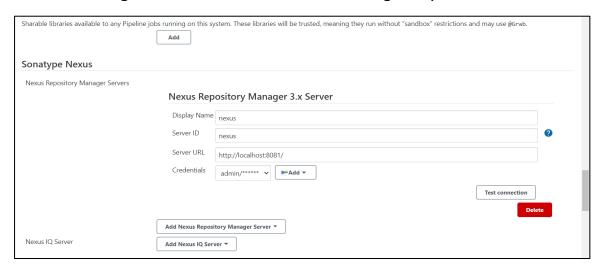
• Open the Jenkins and install the plugins for Nexus integration.



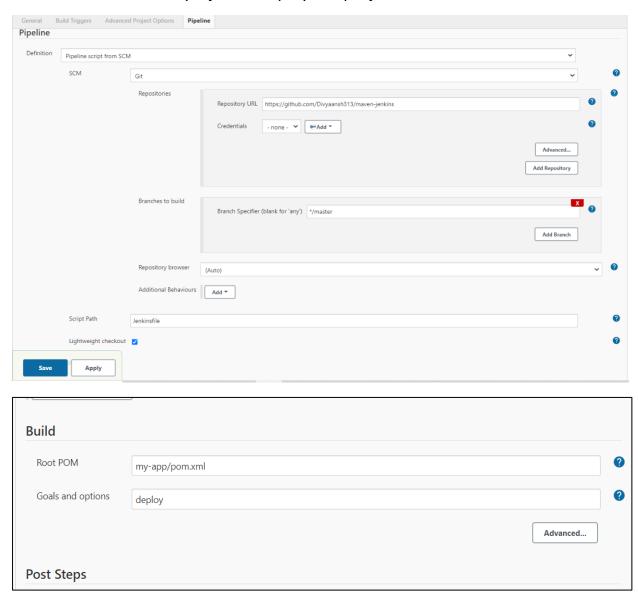
 Now go to the Global Configuration Tool tab in the Jenkins and configure as follows.



• Some changes needed to be done in the configure system.



Create a new freestyle job to deploy the project on the nexus server.



 Saving this project and running/building this project. The console output for the project is given below.

```
Building in workspace C:\Users\ARJUN\.jenkins\workspace\CI-CD_Exp9
The recommended git tool is: NONE
No credentials specified
> git.exe rev-parse --is-inside-work-tree # timeout=10 Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/ArjunRekhi/maven-jenkins.git # timeout=10 Fetching upstream changes from https://github.com/ArjunRekhi/maven-jenkins.git
 > git.exe --version # timeout=10
 > git --version # 'git version 2.27.0.windows.1'
 > git.exe fetch --tags --force --progress -- https://github.com/ArjunRekhi/maven-jenkins.git +refs/heads/*:refs/remotes/origin/* # timeout=10 > git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10
Checking out Revision 6327a4cabca080403526a2d20d2da4e4d2e4f438 (refs/remotes/origin/master)
 > git.exe config core.sparsecheckout # timeout=10
> git.exe checkour -f 6327a4cabca080403526a2d20d2da4e4d2e4f438 # timeout=10 Commit message: "Update pom.xml"
> git.exe rev-list --no-walk 4c1dd184c10d5254e7e5eedcc414315c192c1477 # timeout=10 Parsing POMs
[my-app] $ "C:\Program Files\Java\jdk1.8.0_221/bin/java" -cp C:\Users\ARJUN\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven35-agent-1.13.jar;C:\application |
maven-3.6.3\boot\plexus-classworlds-2.6.0.jar;C:\apache-maven\apache-maven-3.6.3/conf/logging jenkins.maven3.agent.Maven35Main C:\apache-maven C:\Users\ARJUN\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven35-interceptor-1.13.jar
C:\Users\ARJUN\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven3-interceptor-com <===[JENKINS REMOTING CAPACITY]===>channel started
```

```
[INFO] Installing C:\Users\ARJUN\.jenkins\workspace\CI-CD_Exp9\my-app\pom.xml to C:\Users\ARJUN\.m2\repository\com\mycompany\app\my-app\1.0-SNAPSHOT\my-app-1.0-
[INFO]
[INFO] --- maven-deploy-plugin:2.8.2:deploy (default-deploy) @ my-app ---
[INFO] Downloading from CI-CD: http://localhost:8081/repository/CI-CD/com/mycompany/app/my-app/1.0-SNAPSHOT/maven-metadata.xml
[INFO] Downloaded from CI-CD: http://localhost:8081/repository/CI-CD/com/mycompany/app/my-app/1.0-SNAPSHOT/maven-metadata.xml (767 B at 1.2 kB/s)
[INFO] Uploading to CI-CD: http://localhost:8081/repository/CI-CD/com/mycompany/app/my-app/1.0-SNAPSHOT/my-app-1.0-20201006.063015-2.jar
[INFO] Uploaded to CI-CD: http://localhost:8081/repository/CI-CD/com/mycompany/app/my-app/1.0-SNAPSHOT/my-app-1.0-20201006.063015-2.jar (2.9 kB at 2.4 kB/s)
[INFO] Uploading to CI-CD: http://localhost:8081/repository/CI-CD/com/mycompany/app/my-app/1.0-SNAPSHOT/my-app-1.0-20201006.063015-2.pom
[INFO] Uploaded to CI-CD: http://localhost:8081/repository/CI-CD/com/mycompany/app/my-app/1.0-SNAPSHOT/my-app-1.0-20201006.063015-2.pom (3.3 kB at 4.2 kB/s)
[INFO] Downloading from CI-CD: http://localhost:8081/repository/CI-CD/com/mycompany/app/my-app/maven-metadata.xml
[INFO] Downloaded from CI-CD: http://localhost:8081/repository/CI-CD/com/mycompany/app/my-app/maven-metadata.xml (281 B at 3.0 kB/s)
[INFO] Uploading to CI-CD: http://localhost:8081/repository/CI-CD/com/mycompany/app/my-app/1.0-SNAPSHOT/maven-metadata.xml
[INFO] Uploaded to CI-CD: http://localhost:8081/repository/CI-CD/com/mycompany/app/my-app/1.0-SNAPSHOT/maven-metadata.xml (767 B at 1.1 kB/s) [INFO] Uploading to CI-CD: http://localhost:8081/repository/CI-CD/com/mycompany/app/my-app/maven-metadata.xml
FINFO1 BUILD SUCCESS
[INFO] Total time: 17.425 s
[INFO] Finished at: 2020-10-06T12:00:19+05:30
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving C:\Users\ARJUN\.jenkins\workspace\CI-CD_Exp9\my-app\pom.xml to com.mycompany.app/my-app/1.0-SNAPSHOT/my-app-1.0-SNAPSHOT.pom
20201006.063015-2.jan
channel stopped
Finished: SUCCESS
```

 After the successful build, the project will be uploaded on the nexus server and it can be seen in the dashboard.

