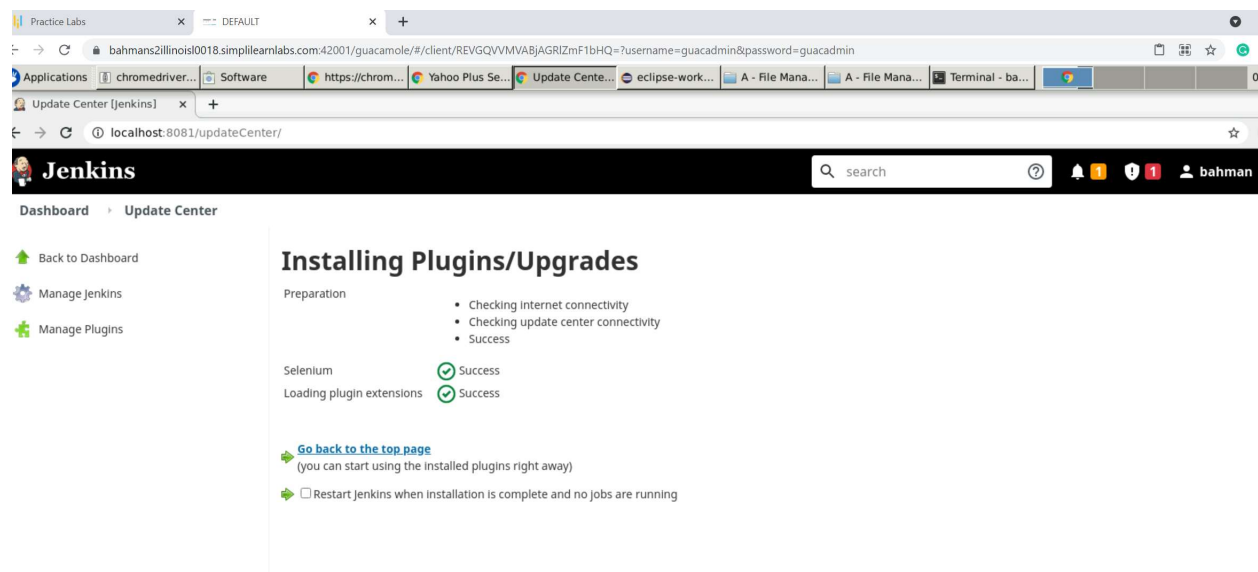Bahman Sheikh

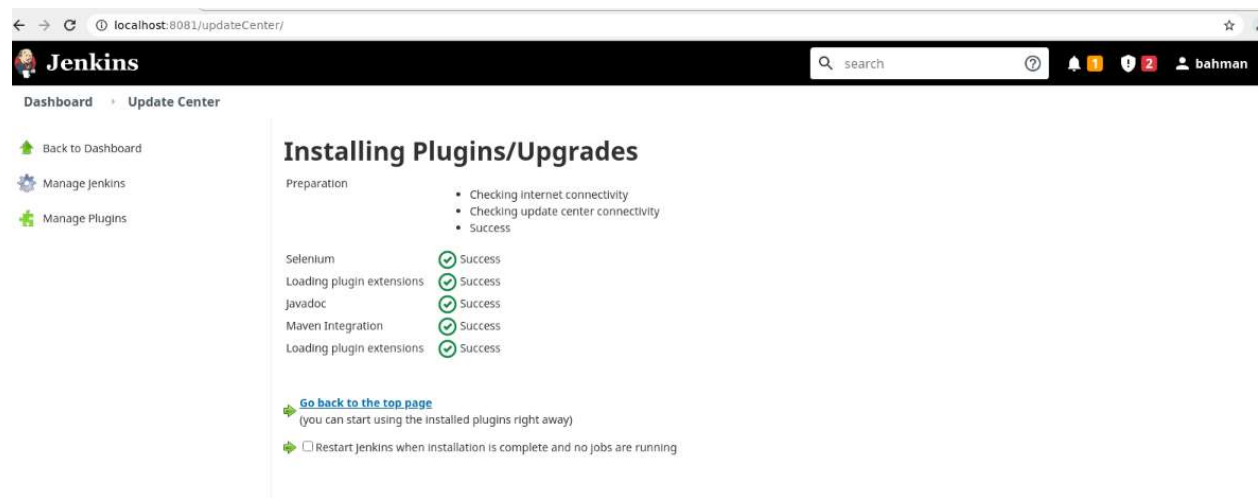# Continuous Integration with Selenium in Jenkins

As a DevOps engineer, you are required to perform continuous integration with Selenium and TestNG in Jenkins

Expected Deliverables: Console output from Jenkins dashboard

1. Installing selenium plugin on Jenkins

2. Installing Maven-Integration on Jenkins

3. Create a Jenkins project using Maven

4. Run and Final console output of Jenkins

Started by user **bahman**
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/PG_bahman_Maven

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```
Executing Maven:  D  +  /home/bahmans2illinoi/jenkinsDemo/pom.xml install
[INFO] Scanning for projects...
[INFO]
[INFO]
```

Dashboard › PG_bahman_Maven › #2

```
[INFO] ------------------------------------------------------------------------
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ jenkinsDemo ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e.
build is platform dependent!
[INFO] skip non existing resourceDirectory
/home/bahmans2illinoi/jenkinsDemo/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.2:compile (default-compile) @ jenkinsDemo ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @
jenkinsDemo ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e.
build is platform dependent!
[INFO] skip non existing resourceDirectory
/home/bahmans2illinoi/jenkinsDemo/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.2:testCompile (default-testCompile) @ jenkinsDemo ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is
platform dependent!
[INFO] Compiling 1 source file to /home/bahmans2illinoi/jenkinsDemo/target/test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.17:test (default-test) @ jenkinsDemo ---
[INFO] Surefire report directory: /home/bahmans2illinoi/jenkinsDemo/target/surefire-
reports
[INFO] Downloading:
https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-
testng/2.17/surefire-testng-2.17.pom
[INFO] Downloaded:
https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-
testng/2.17/surefire-testng-2.17.pom (3 KB at 5.0 KB/sec)
[INFO] Downloading:
https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-
providers/2.17/surefire-providers-2.17.pom
[INFO] Downloaded:
```

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```
J.7.pom
[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/testng/testng/5.7/testng-
5.7.pom (12 KB at 976.0 KB/sec)
[INFO] Downloading:
```

Dashboard › PG_bahman_Maven › #2

```
testng/2.17/surefire-testng-2.17.jar
[INFO] Downloading:
https://repo.maven.apache.org/maven2/org/apache/maven/surefire/common-java5/2.17/common-
java5-2.17.jar
[INFO] Downloaded:
https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-
testng/2.17/surefire-testng-2.17.jar (36 KB at 986.1 KB/sec)
[INFO] Downloaded:
https://repo.maven.apache.org/maven2/org/apache/maven/surefire/common-java5/2.17/common-
java5-2.17.jar (37 KB at 710.7 KB/sec)
[INFO] Downloading:
https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-testng-
utils/2.17/surefire-testng-utils-2.17.jar
[INFO] Downloaded:
https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-testng-
utils/2.17/surefire-testng-utils-2.17.jar (29 KB at 1523.3 KB/sec)
[INFO] Downloading:
https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-
grouper/2.17/surefire-grouper-2.17.jar
[INFO] Downloaded:
https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-
grouper/2.17/surefire-grouper-2.17.jar (38 KB at 2318.0 KB/sec)


-------------------------------------------------------
 T E S T S
-------------------------------------------------------
Running jenkinsDemo.AppTest
Configuring TestNG with: TestNG652Configurator
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.225 sec - in
jenkinsDemo.AppTest

Results :

Tests run: 1, Failures: 0, Errors: 0, Skipped: 0

[JENKINS] Recording test results
[INFO]
```

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[WARNING] JAR will be empty - no content was marked for inclusion.
[INFO] Building jar: /home/bahmans2illinoi/jenkinsDemo/target/jenkinsDemo-1.0-
SNAPSHOT.jar
[INFO]

Dashboard › **PG_bahman_Maven** › **#2**

[INFO] Installing /home/bahmans2illinoi/jenkinsDemo/target/jenkinsDemo-1.0-SNAPSHOT.jar
to /var/lib/jenkins/.m2/repository/jenkinsDemo/jenkinsDemo/1.0-SNAPSHOT/jenkinsDemo-1.0-
SNAPSHOT.jar
[INFO] Installing /home/bahmans2illinoi/jenkinsDemo/pom.xml to
/var/lib/jenkins/.m2/repository/jenkinsDemo/jenkinsDemo/1.0-SNAPSHOT/jenkinsDemo-1.0-
SNAPSHOT.pom
[INFO] --
[INFO] BUILD SUCCESS
[INFO] --
[INFO] Total time: 6.433 s
[INFO] Finished at: 2021-10-05T02:38:27+00:00
[INFO] Final Memory: 27M/335M
[INFO] --
[JENKINS] Archiving /home/bahmans2illinoi/jenkinsDemo/pom.xml to
jenkinsDemo/jenkinsDemo/1.0-SNAPSHOT/jenkinsDemo-1.0-SNAPSHOT.pom
[JENKINS] Archiving /home/bahmans2illinoi/jenkinsDemo/target/jenkinsDemo-1.0-
SNAPSHOT.jar to jenkinsDemo/jenkinsDemo/1.0-SNAPSHOT/jenkinsDemo-1.0-SNAPSHOT.jar
/home/bahmans2illinoi/jenkinsDemo/pom.xml is not inside
/var/lib/jenkins/workspace/PG_bahman_Maven/home/bahmans2illinoi/jenkinsDemo/; will
archive in a separate pass
/home/bahmans2illinoi/jenkinsDemo/target/jenkinsDemo-1.0-SNAPSHOT.jar is not inside
/var/lib/jenkins/workspace/PG_bahman_Maven/home/bahmans2illinoi/jenkinsDemo/; will
archive in a separate pass
channel stopped
Finished: SUCCESS

Jenkins 2.303.1