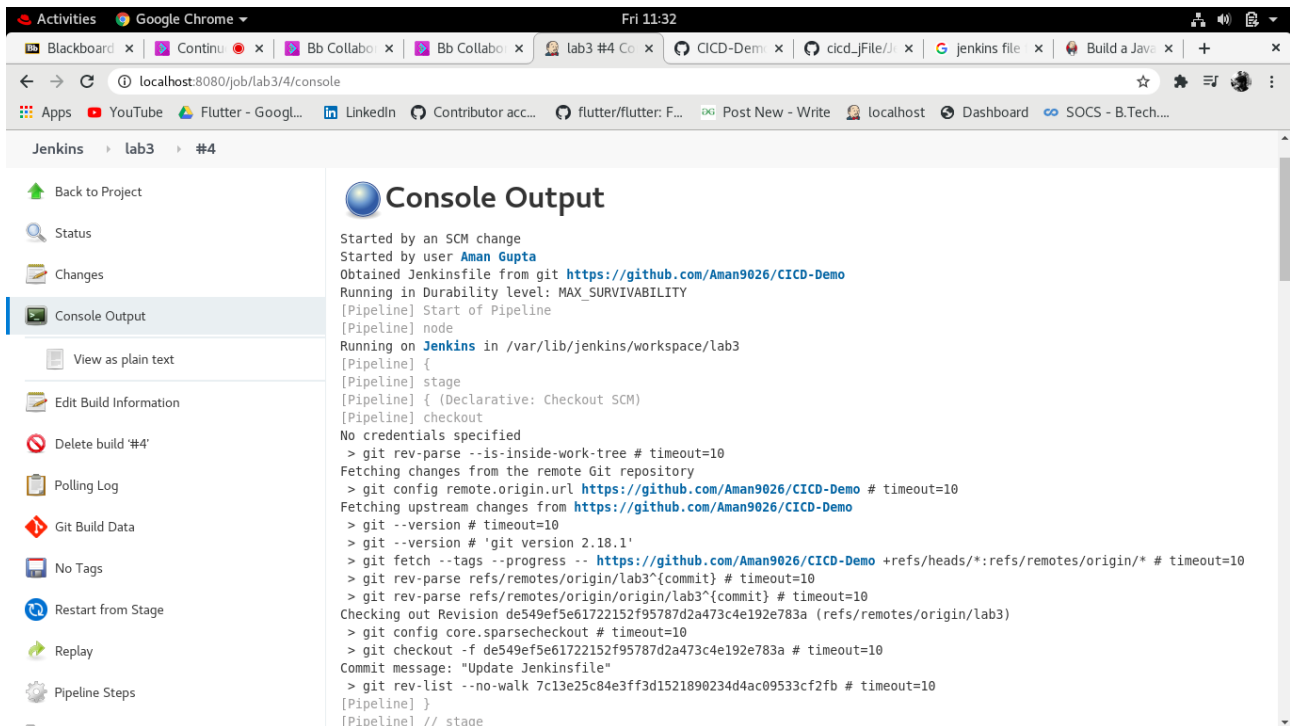


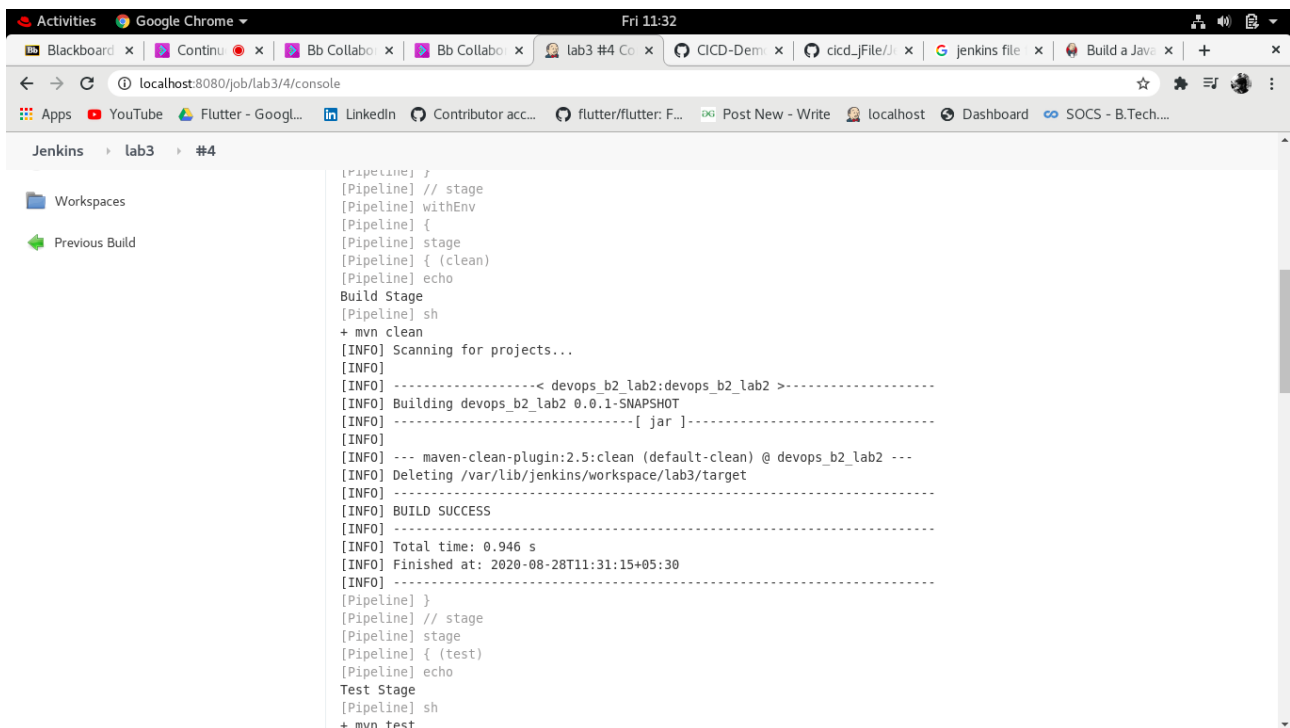
Experiment 6

Aim: Create pipeline using Jenkinsfile



The screenshot shows the Jenkins web interface in Google Chrome. The browser tabs include Blackboard, Continu, Bb Collabo, lab3 #4 Co, CICD-Demo, ckd_JFile/J, jenkins file, Build a Java, and a plus sign for more tabs. The address bar shows 'localhost:8080/job/lab3/4/console'. The Jenkins sidebar on the left has 'Jenkins' selected, with sub-items 'lab3' and '#4'. The 'Console Output' tab is active, displaying the following text:

```
Started by an SCM change
Started by user Aman Gupta
Obtained Jenkinsfile from git https://github.com/Aman9026/CICD-Demo
Running in Durability level: MAX_SURVIVABILITY
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/lab3
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
No credentials specified
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Aman9026/CICD-Demo # timeout=10
Fetching upstream changes from https://github.com/Aman9026/CICD-Demo
> git --version # timeout=10
> git --version # 'git version 2.18.1'
> git fetch --tags --progress -- https://github.com/Aman9026/CICD-Demo +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/lab3^{commit} # timeout=10
> git rev-parse refs/remotes/origin/origin/lab3^{commit} # timeout=10
Checking out Revision de549ef5e61722152f95787d2a473c4e192e783a (refs/remotes/origin/lab3)
> git config core.sparsecheckout # timeout=10
> git checkout -f de549ef5e61722152f95787d2a473c4e192e783a # timeout=10
Commit message: "Update Jenkinsfile"
> git rev-list --no-walk 7c13e25c84e3ff3d1521890234d4ac09533cf2fb # timeout=10
[Pipeline] }
[Pipeline] // stage
```



The screenshot shows the Jenkins web interface in Google Chrome, displaying the 'Console Output' for job #4. The browser tabs and address bar are the same as in the previous screenshot. The Jenkins sidebar shows 'Jenkins' selected, with sub-items 'lab3' and '#4'. The 'Console Output' tab is active, displaying the following text:

```
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (clean)
[Pipeline] echo
Build Stage
[Pipeline] sh
+ mvn clean
[INFO] Scanning for projects...
[INFO] -----< devops_b2_lab2:devops_b2_lab2 >-----
[INFO] Building devops_b2_lab2 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ devops_b2_lab2 ---
[INFO] Deleting /var/lib/jenkins/workspace/lab3/target
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.946 s
[INFO] Finished at: 2020-08-28T11:31:15+05:30
[INFO] -----
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (test)
[Pipeline] echo
Test Stage
[Pipeline] sh
+ mvn test
```

```
Activities Google Chrome Fri 11:32
Blackboard x Continu x Bb Collabo x Bb Collabo x lab3 #4 Co x CICD-Demo x cisd_JFile/Ji x jenkins file x Build a Java x + x
localhost:8080/job/lab3/4/console
Apps YouTube Flutter - Googl... LinkedIn Contributor acc... flutter/flutter: F... Post New - Write localhost Dashboard SOCS - B.Tech...
Jenkins lab3 #4

[INFO] -----< devops_b2_lab2:devops_b2_lab2 >-----
[INFO] Building devops_b2_lab2 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ devops_b2_lab2 ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/lab3/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ devops_b2_lab2 ---
[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 /var/lib/jenkins/workspace/lab3/target/classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ devops_b2_lab2 ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/lab3/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ devops_b2_lab2 ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ devops_b2_lab2 ---
[INFO] No tests to run.
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 4.897 s
[INFO] Finished at: 2020-08-28T11:31:23+05:30
[INFO]
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
... ..
```

```
Activities Google Chrome Fri 11:32
Blackboard x Continu x Bb Collabo x Bb Collabo x lab3 #4 Co x CICD-Demo x cisd_JFile/Ji x jenkins file x Build a Java x + x
localhost:8080/job/lab3/4/console
Apps YouTube Flutter - Googl... LinkedIn Contributor acc... flutter/flutter: F... Post New - Write localhost Dashboard SOCS - B.Tech...
Jenkins lab3 #4

[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (install)
[Pipeline] echo
Install Stage
[Pipeline] sh
+ mvn install
[INFO] Scanning for projects...
[INFO]
[INFO] -----< devops_b2_lab2:devops_b2_lab2 >-----
[INFO] Building devops_b2_lab2 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ devops_b2_lab2 ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/lab3/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ devops_b2_lab2 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ devops_b2_lab2 ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/lab3/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ devops_b2_lab2 ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ devops_b2_lab2 ---
[INFO] No tests to run.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ devops_b2_lab2 ---
[INFO] Building jar: /var/lib/jenkins/workspace/lab3/target/devops_b2_lab2-0.0.1-SNAPSHOT.jar
```

Activities Google Chrome Fri 11:32

Blackboard x Continu x Bb Collabo x Bb Collabo x lab3 #4 Co x CICD-Dem x ciccJFile/J x jenkins file x Build a Java x + x

localhost:8080/job/lab3/4/console

Jenkins lab3 #4

```
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ devops_b2_lab2 ---
[INFO] No tests to run.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ devops_b2_lab2 ---
[INFO] Building jar: /var/lib/jenkins/workspace/lab3/target/devops_b2_lab2-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ devops_b2_lab2 ---
[INFO] Installing /var/lib/jenkins/workspace/lab3/target/devops_b2_lab2-0.0.1-SNAPSHOT.jar to
/var/lib/jenkins/.m2/repository/devops_b2_lab2/devops_b2_lab2/0.0.1-SNAPSHOT/devops_b2_lab2-0.0.1-SNAPSHOT.jar
[INFO] Installing /var/lib/jenkins/workspace/lab3/pom.xml to
/var/lib/jenkins/.m2/repository/devops_b2_lab2/devops_b2_lab2/0.0.1-SNAPSHOT/devops_b2_lab2-0.0.1-SNAPSHOT.pom
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 3.331 s
[INFO] Finished at: 2020-08-28T11:31:30+05:30
[INFO] -----
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

REST API Jenkins 2.252

Activities Google Chrome Fri 11:32

Blackboard x Continu x Bb Collabo x Bb Collabo x lab3 [Jenki x CICD-Dem x ciccJFile/J x jenkins file x Build a Java x + x

localhost:8080/job/lab3/

Jenkins lab3

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Rename

Pipeline Syntax

Git Polling Log

Build History trend

find

#4 28 Aug 2020, 11:31

#3 28 Aug 2020, 11:26

#2 28 Aug 2020, 11:23

#1 28 Aug 2020, 11:15

Recent Changes

Stage View



Average stage times:
(Average full run time: ~26s)

Declarative: Checkout SCM	clean	test	install
2s	4s	8s	6s
2s	4s	8s	6s

Permalinks

- Last build (#4), 1 min 19 sec ago
- Last stable build (#4), 1 min 19 sec ago
- Last successful build (#4), 1 min 19 sec ago
- Last failed build (#2), 8 min 34 sec ago
- Last unsuccessful build (#2), 8 min 34 sec ago
- Last completed build (#4), 1 min 19 sec ago

24 lines (23 sloc) | 492 Bytes

Raw Blame  

```
1 pipeline{
2   agent any
3   stages{
4     stage('clean'){
5       steps{
6         echo 'Build Stage'
7         sh 'mvn clean'
8       }
9     }
10
11    stage('test'){
12      steps{
13        echo 'Test Stage'
14        sh 'mvn test'
15      }
16    }
17    stage('install'){
18      steps{
19        echo 'Install Stage'
20        sh 'mvn install'
21      }
22    }
23  }
24 }
```