School of Computer Science

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES DEHRADUN, UTTARAKHAND

Continuous Integration and Continuous Delivery Lab

Lab File
(2023-2024)

for

5$^{\text{th}}$ Semester

Submitted To:

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B2- Devops (Non-Hons)

EXPERIMENT – 8

Aim: Remote Triggering of a Parameterized Build

1] Open manage Jenkins and install "Build with parameters" Plugin.

2] Select the **Freestyle project** as the build job type.

3] Configure as per Remote Triggering of a Parameterized Build.

✓ This project is parameterized ?

≡ **String Parameter** ?

Name ?

My_Param

Default Value ?

Devops

Build Triggers

✓ Trigger builds remotely (e.g., from scripts) ?

Authentication Token

sdk

Use the following URL to trigger build remotely: JENKINS_URL/job/CICD-Lab-08/build?token=TOKEN_NAME or /buildWithParameters?token=TOKEN_NAME
Optionally append &cause=Cause+Text to provide text that will be included in the recorded build cause.

Build Steps

≡ **Execute Windows batch command** ?

Command

See **the list of available environment variables**

```
java --version
```

4] Configure Global Security.

Security Realm

Jenkins' own user database

✓ **Allow users to sign up** ?

⚠ **With signup enabled, anyone on your network can become an authent**

Authorization

Anyone can do anything

5] "curl -X GET <YourJenkinsJobUrl>/buildWithParameters?token=Sam".Configure as per your URL and run it on Command Line.

```
C:\Users\kamdi>curl -X GET http://localhost:8080/job/CICD-Lab-08/buildWithParameters?token=sdk

C:\Users\kamdi>
```

6] Check the Console Output.

✅ Console Output

```
Started by remote host [0:0:0:0:0:0:0:1]
Running as SYSTEM
Building on the built-in node in workspace C:\ProgramData\Jenkins\.jenkins\workspace\CICD-Lab-08
[GitCheckoutListener] SCM 'hudson.scm.NullSCM' is not of type GitSCM
[CICD-Lab-08] $ cmd /c call C:\WINDOWS\TEMP\jenkins7700665781173499474.bat

C:\ProgramData\Jenkins\.jenkins\workspace\CICD-Lab-08>java --version
java 17.0.4 2022-07-19 LTS
Java(TM) SE Runtime Environment (build 17.0.4+11-LTS-179)
Java HotSpot(TM) 64-Bit Server VM (build 17.0.4+11-LTS-179, mixed mode, sharing)

C:\ProgramData\Jenkins\.jenkins\workspace\CICD-Lab-08>exit 0
Finished: SUCCESS
```