

Lab Exercise 9

Setting up Poll SCM Configuration in Jenkins

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Objective: To set up poll SCM configuration in Jenkins for automating build triggering and optimizing resource usage on Jenkins servers

Tools required: Jenkins

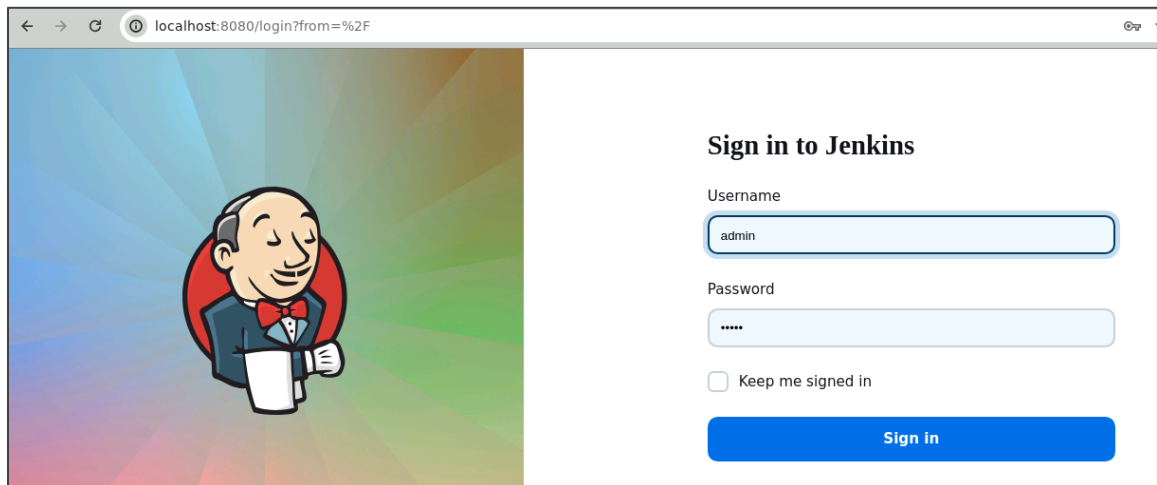
Prerequisites: You need to have a Jenkins up and running.

Steps to be followed:

1. Log in to the Jenkins CI tool and set up poll SCM configuration

Step 1: Log in to the Jenkins CI tool and set up poll SCM configuration

1. Log in to Jenkins using the credentials

A screenshot of a web browser window showing the Jenkins login page. The browser's address bar displays 'localhost:8080/login?from=%2F'. The page features a large illustration of the Jenkins mascot, a blue robot with a red bow tie, on the left. On the right, there is a 'Sign in to Jenkins' section with a 'Username' field containing 'admin', a 'Password' field with masked characters, a 'Keep me signed in' checkbox, and a blue 'Sign in' button.

← → ↻ 🌐 localhost:8080/login?from=%2F

Sign in to Jenkins

Username
admin

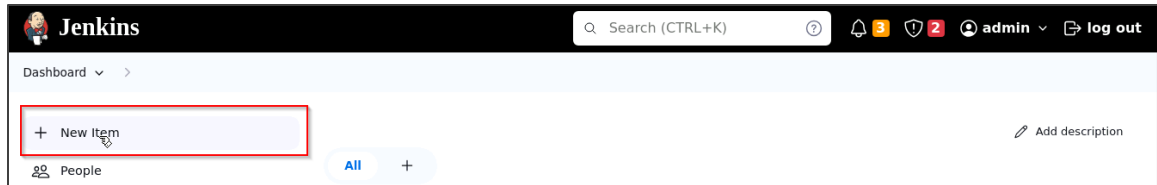
Password

☐ Keep me signed in

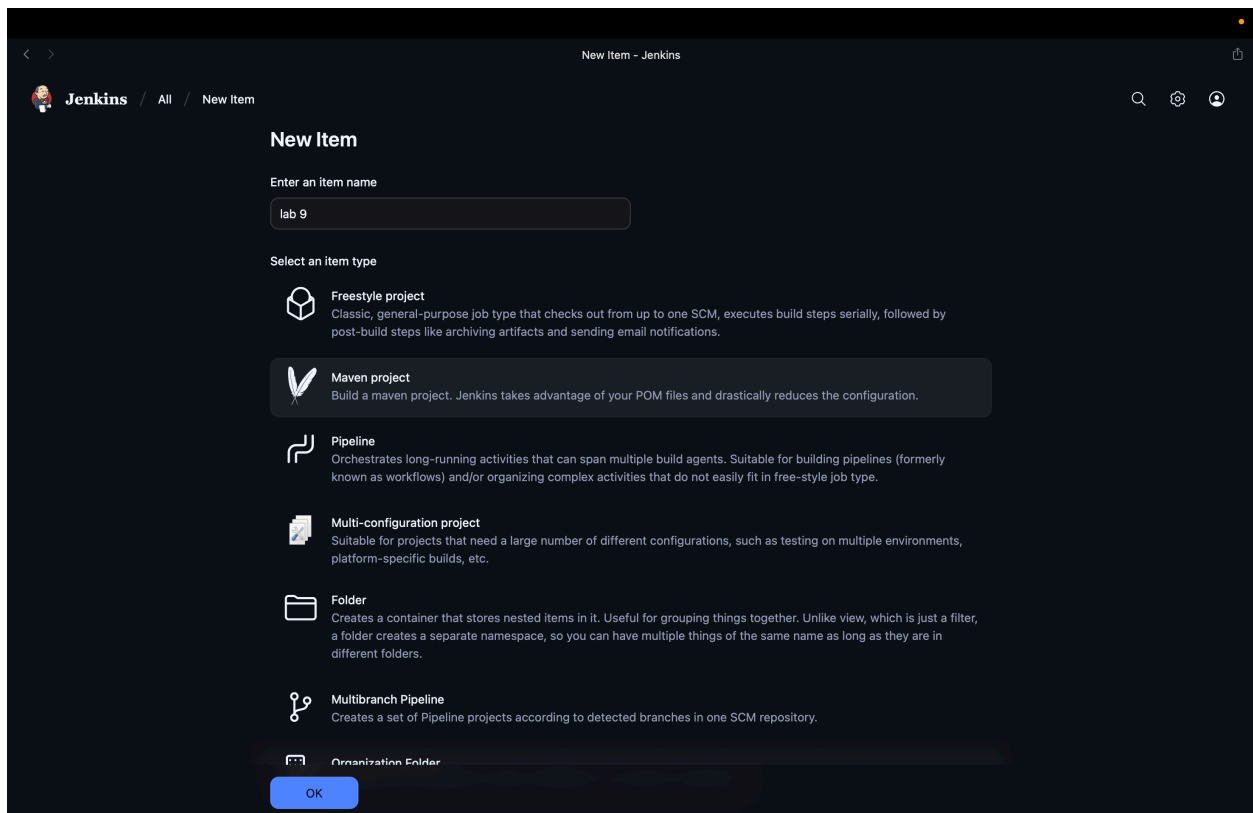
Sign in

Note: The credentials for accessing Jenkins in the lab are Username: **admin** and Password: **admin**.

2. In the Jenkins dashboard, click on **New Item**

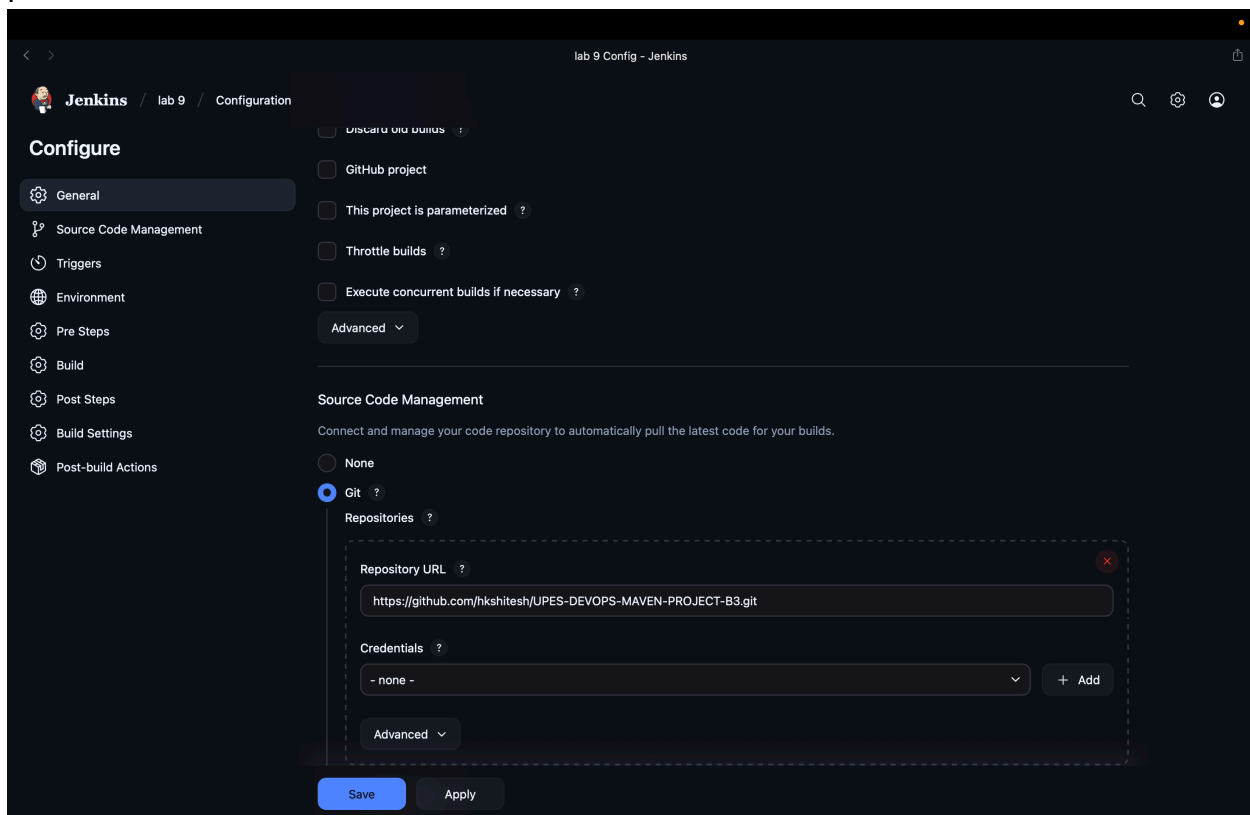


3. Select the **Maven Project** while creating a Jenkins job, provide a custom job name, and click on **OK**

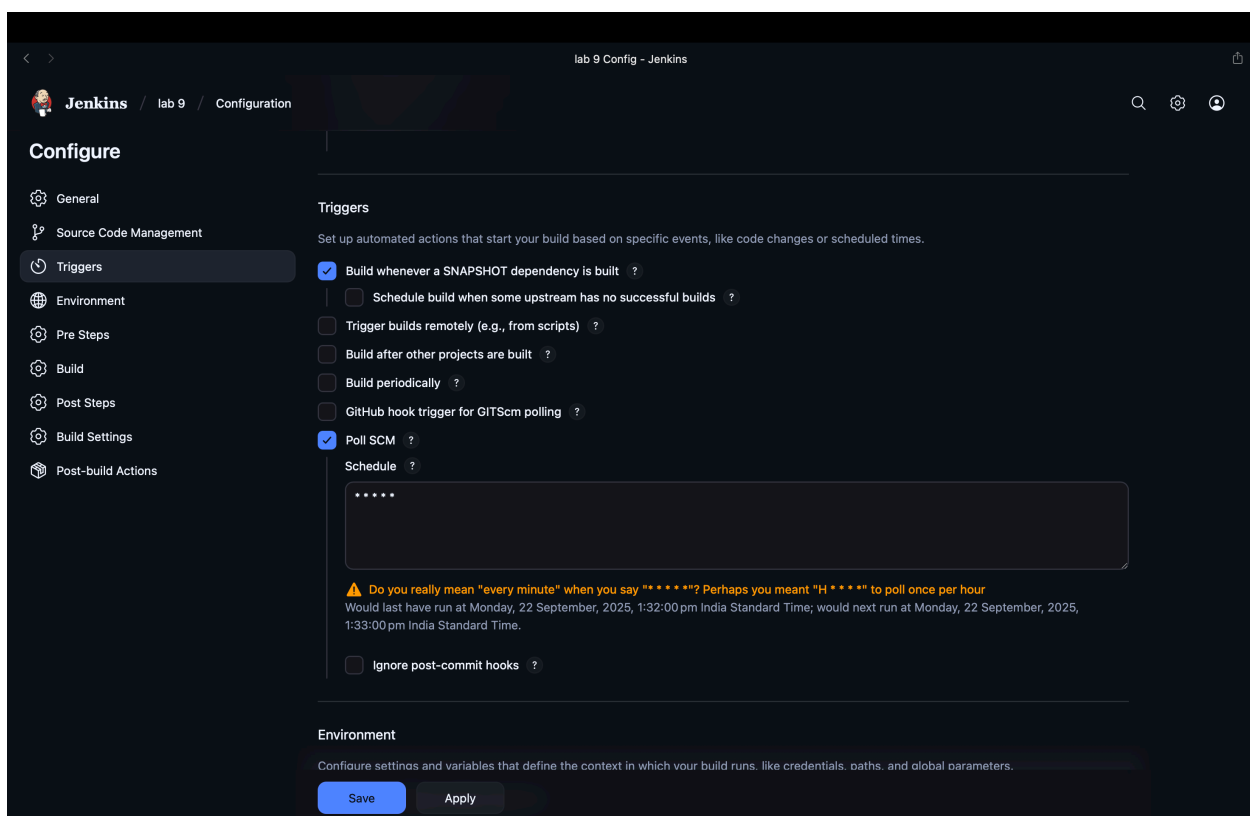


4. Now, in the Configure page, navigate to **Source Code Management** from the left navigation bar, select **Git**, and then provide the Git repository URL

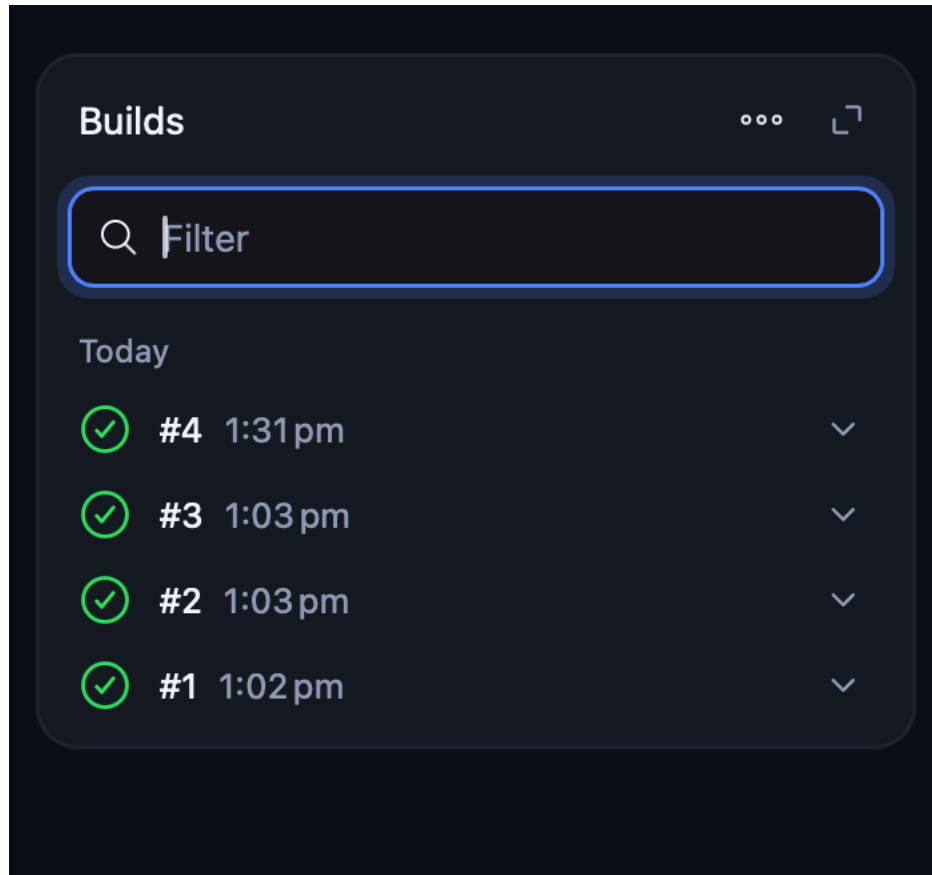
Note: Here, the repository URL is <https://github.com/hkshitesh/UPES-DEVOPS-MAVEN-PROJECT-B3.git>



- Now, navigate to **Build Environment**, click on **Poll SCM**, provide **H/2****** under the **Schedule** section, and then click on **Save**



6. Then, automatic build will be trigger within a minute, and you will be able to view the successful build in the **Console output** section.



You can see that the build is configured successfully.

By following these steps, you have successfully set up poll SCM configuration in Jenkins for automating build triggering and optimizing resource usage on Jenkins servers.



```
[INFO] --- resources:3.3.1:testResources (default-testResources) @ upes.devops ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /Users/pulkit/.jenkins/workspace/lab 9/src/test/resources
[INFO]
[INFO] --- compiler:3.13.0:testCompile (default-testCompile) @ upes.devops ---
[INFO] No sources to compile
[INFO]
[INFO] --- surefire:3.2.5:test (default-test) @ upes.devops ---
[INFO] No tests to run.
[JENKINS] Recording test results
[INFO]
[INFO] --- jar:3.1.0:jar (default-jar) @ upes.devops ---
[INFO]
[INFO] --- install:3.1.2:install (default-install) @ upes.devops ---
[INFO] Installing /Users/pulkit/.jenkins/workspace/lab 9/pom.xml to
/Users/pulkit/.m2/repository/upes/devops/upes.devops/0.0.1-SNAPSHOT/upes.devops-0.0.1-SNAPSHOT.pom
[INFO] Installing /Users/pulkit/.jenkins/workspace/lab 9/target/upes-calc.jar to
/Users/pulkit/.m2/repository/upes/devops/upes.devops/0.0.1-SNAPSHOT/upes.devops-0.0.1-SNAPSHOT.jar
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.704 s
[INFO] Finished at: 2025-09-22T13:31:59+05:30
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving /Users/pulkit/.jenkins/workspace/lab 9/pom.xml to upes.devops/upes.devops/0.0.1-
SNAPSHOT/upes.devops-0.0.1-SNAPSHOT.pom
[JENKINS] Archiving /Users/pulkit/.jenkins/workspace/lab 9/target/upes-calc.jar to upes.devops/upes.devops/0.0.1-
SNAPSHOT/upes.devops-0.0.1-SNAPSHOT.jar
channel stopped
Finished: SUCCESS
```