

## Lab Exercise 9

### Setting up Poll SCM Configuration in Jenkins

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

**Tools required:** Jenkins

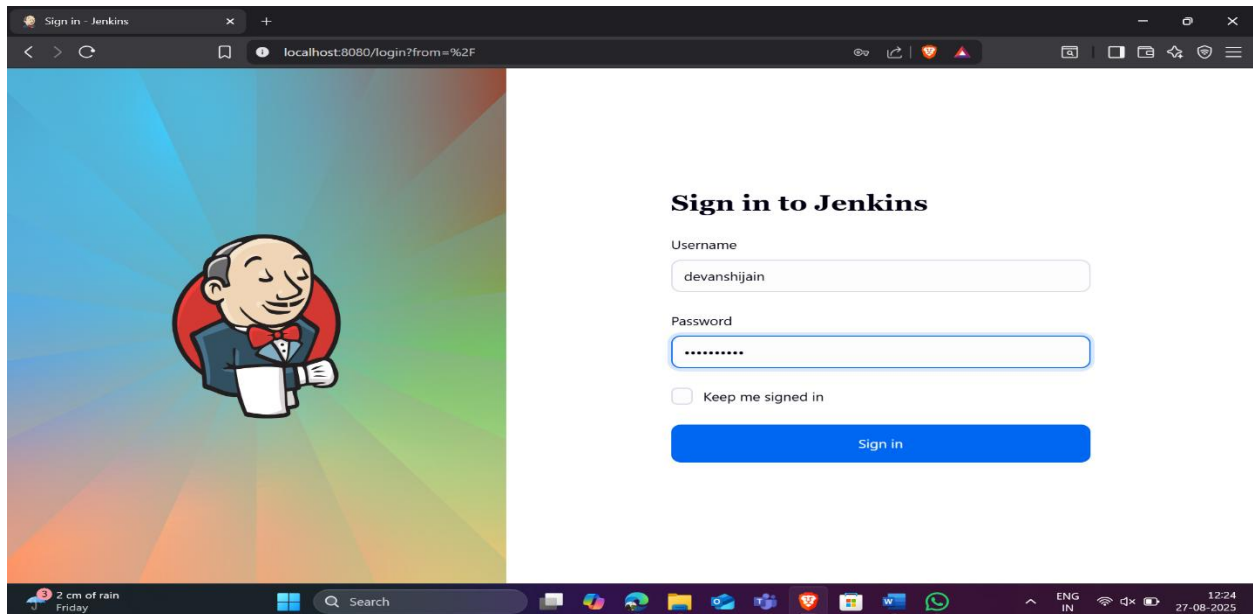
**Prerequisites:** You need to have a Jenkins up and running.

Steps to be followed:

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

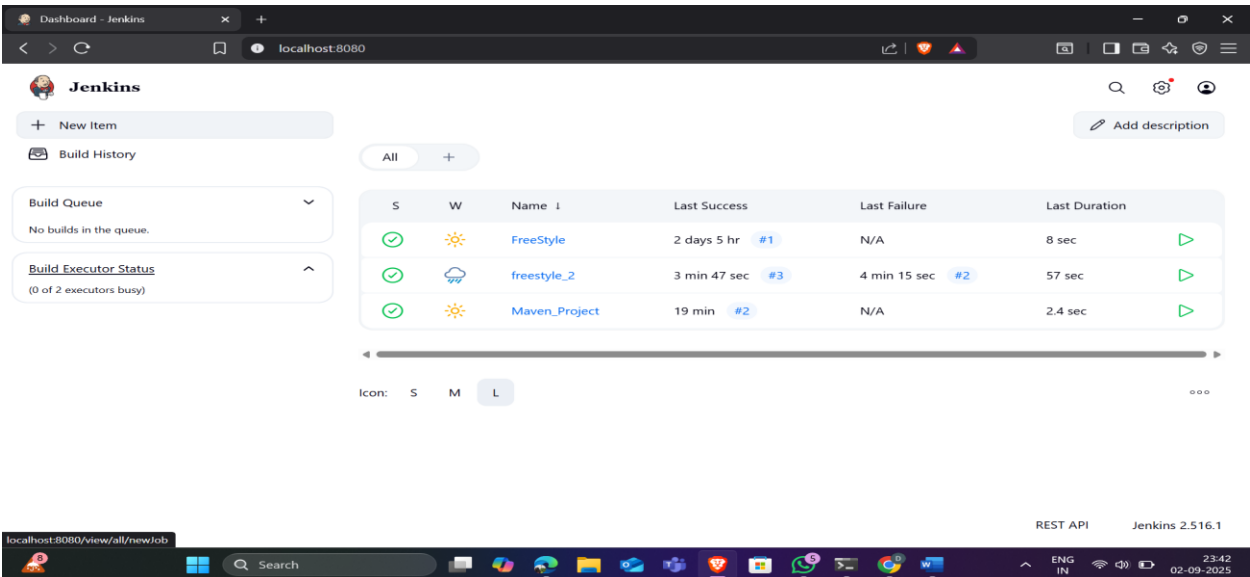
#### Step 1: Log in to the Jenkins CI tool and set up poll SCM configuration

##### 1.1 Log in to Jenkins using the credentials

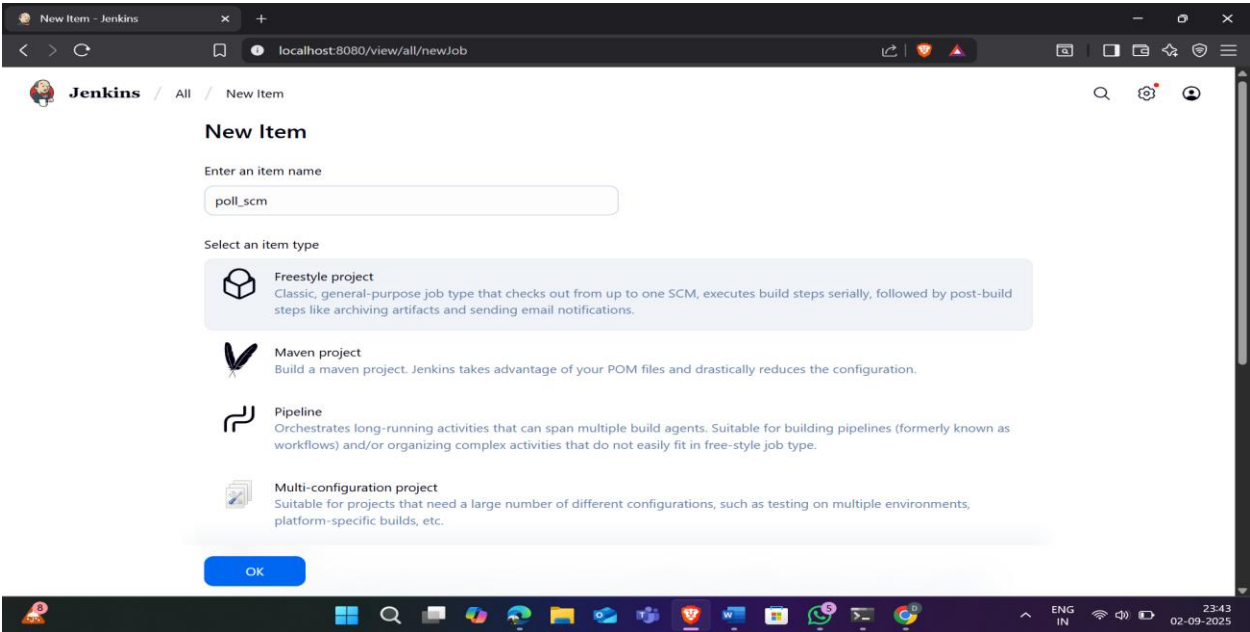


**Note:** The credentials for accessing Jenkins in the lab are Username: **admin** and Password: **admin**.

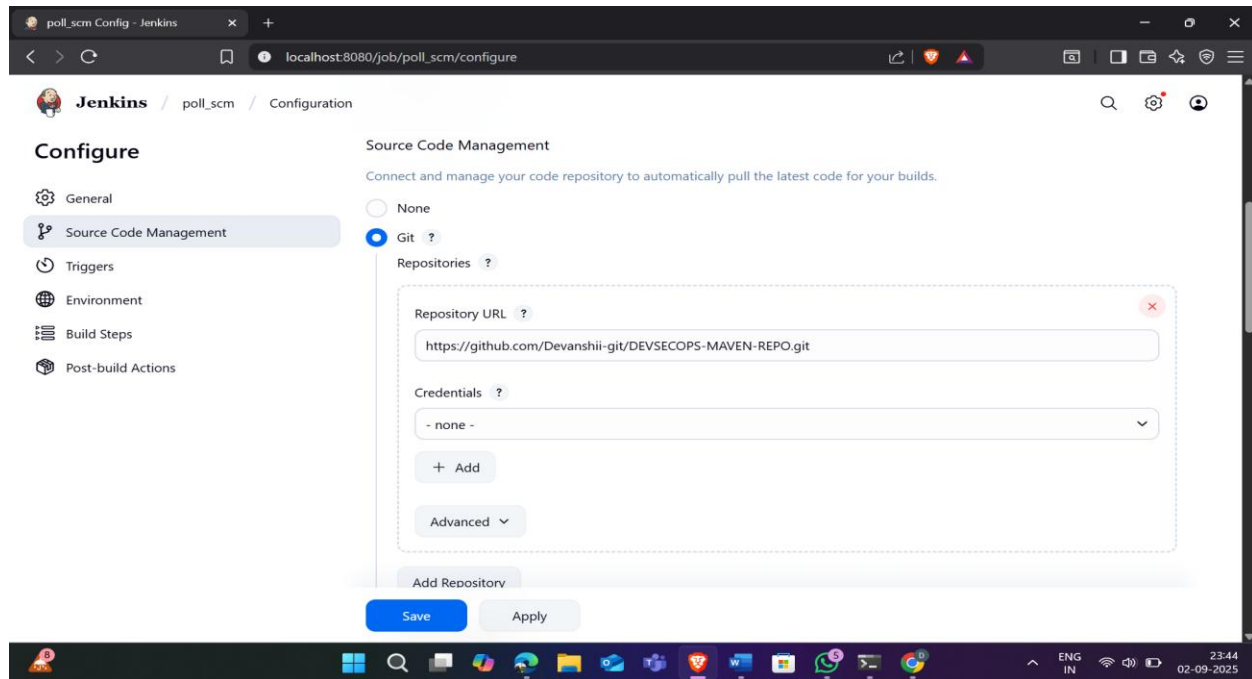
1.2 In the Jenkins dashboard, click on **New Item**



1.3 Select the **Freestyle** project while creating a Jenkins job, provide a custom job name, and click on **OK**

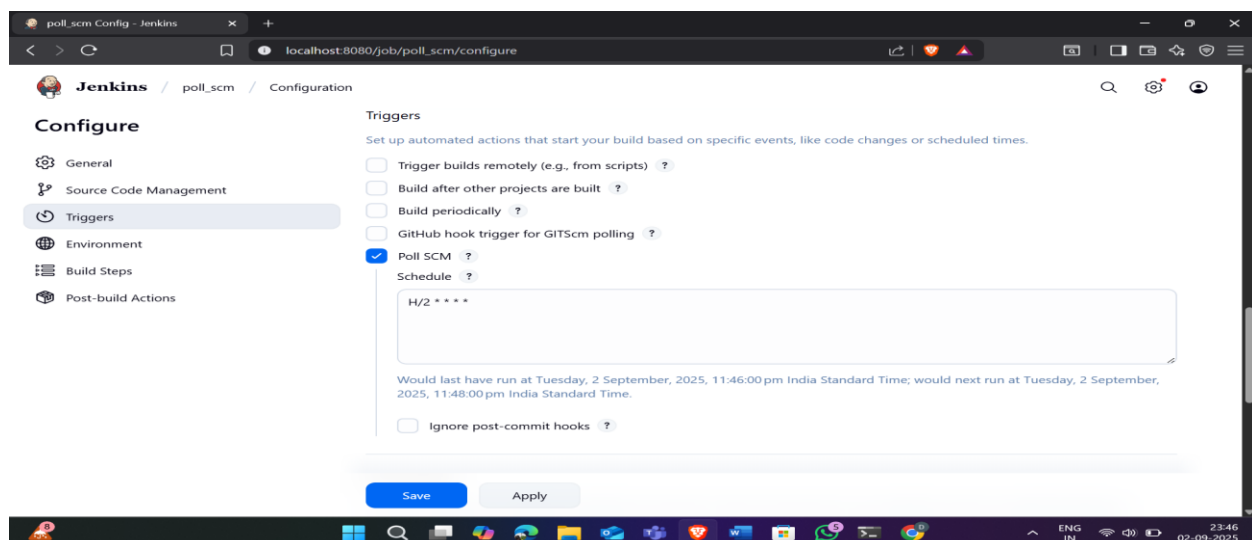


1.4 Now, in the Configure page, navigate to **Source Code Management** from the left navigation bar, select **Git**, and then provide the Git repository URL

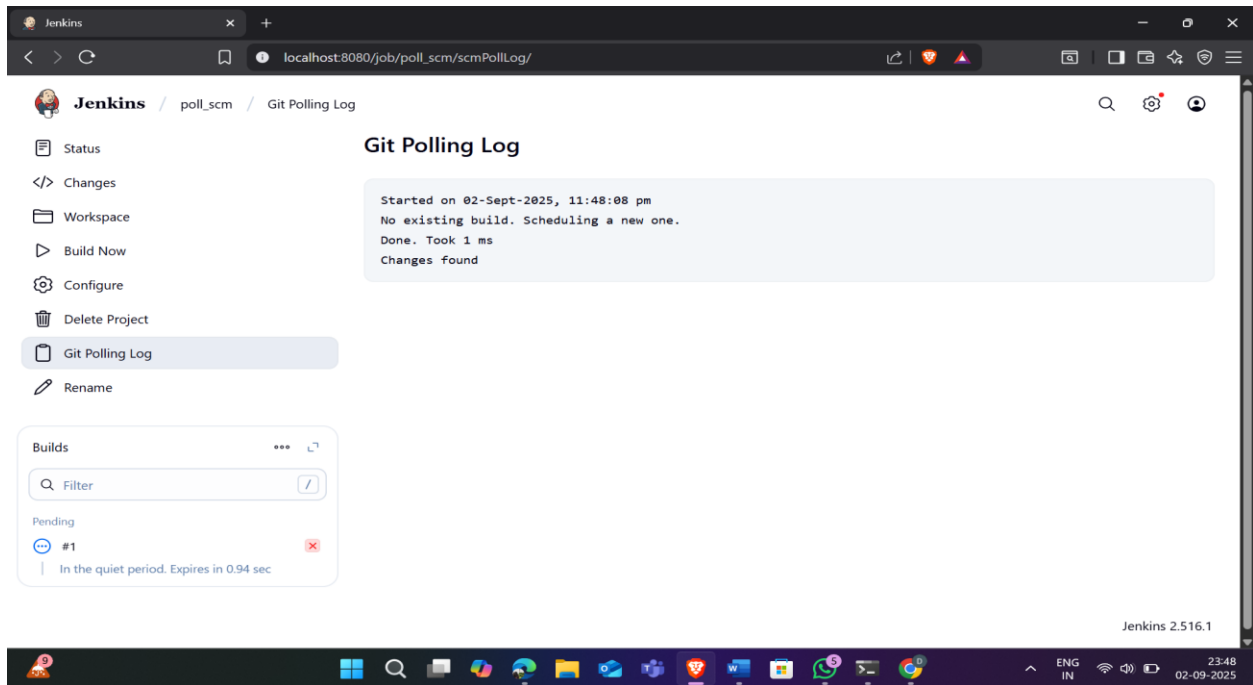


**Note:** Here, the repository URL is <https://github.com/GithubResources1/Maven-Build.git>.

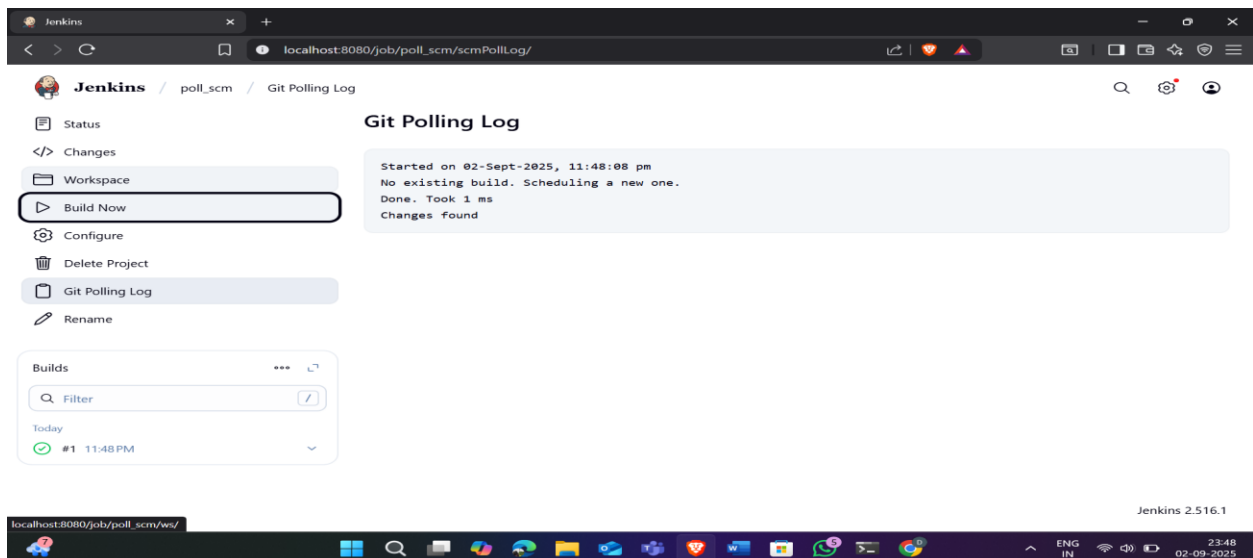
1.5 Now, navigate to **Build Environment**, click on **Poll SCM**, provide **H/2\*\*\*\*** under the **Schedule** section, and then click on **Save**

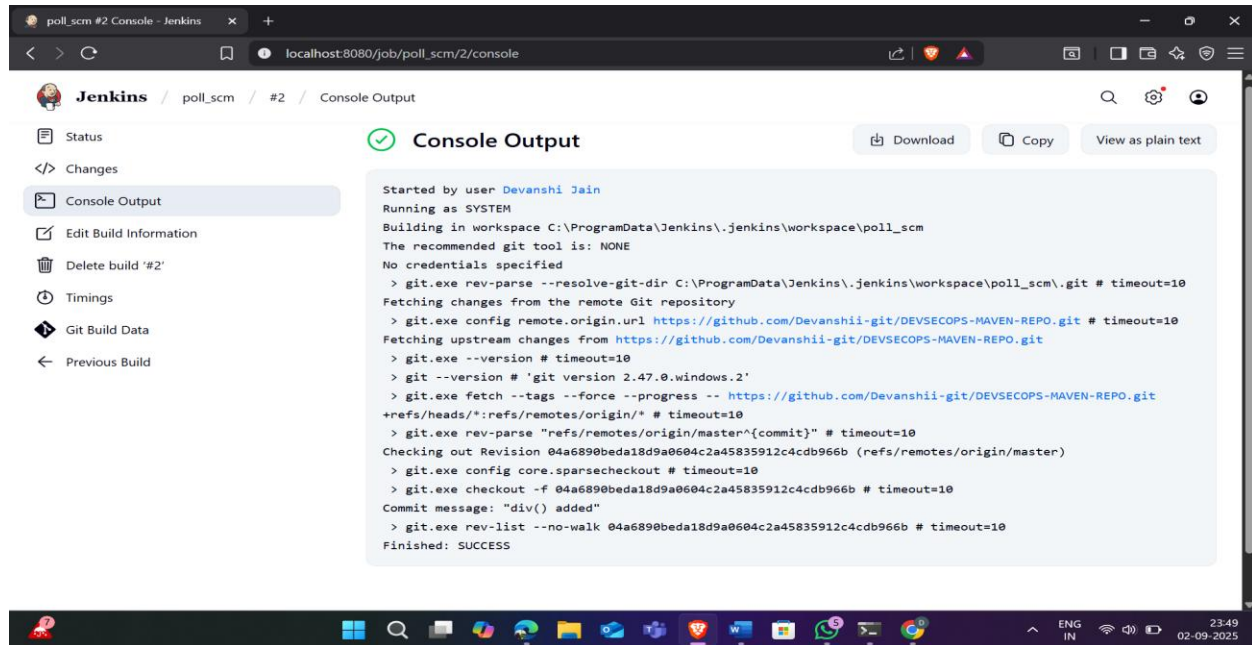


1.6 You will be directed to the poll scm project after clicking on Save. Now, click on **Git Polling Log** from the left navigation bar.



1.7 Then, click on **Build Now** to configure a build, and you will be able to view the successful build in the **Console output** section.





```
Started by user Devanshi Jain
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\jenkins\workspace\poll_scm
The recommended git tool is: NONE
No credentials specified
> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\jenkins\workspace\poll_scm\.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/Devanshii-git/DEVSECOPS-MAVEN-REPO.git # timeout=10
Fetching upstream changes from https://github.com/Devanshii-git/DEVSECOPS-MAVEN-REPO.git
> git.exe --version # timeout=10
> git --version # 'git version 2.47.0.windows.2'
> git.exe fetch --tags --force --progress -- https://github.com/Devanshii-git/DEVSECOPS-MAVEN-REPO.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10
Checking out Revision 04a6890beda18d9a0604c2a45835912c4cdb966b (refs/remotes/origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 04a6890beda18d9a0604c2a45835912c4cdb966b # timeout=10
Commit message: "div() added"
> git.exe rev-list --no-walk 04a6890beda18d9a0604c2a45835912c4cdb966b # timeout=10
Finished: SUCCESS
```

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.