

Lab Exercise 9

Setting up Poll SCM Configuration in Jenkins

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Batch 2 DevOps

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

Tools required: Jenkins

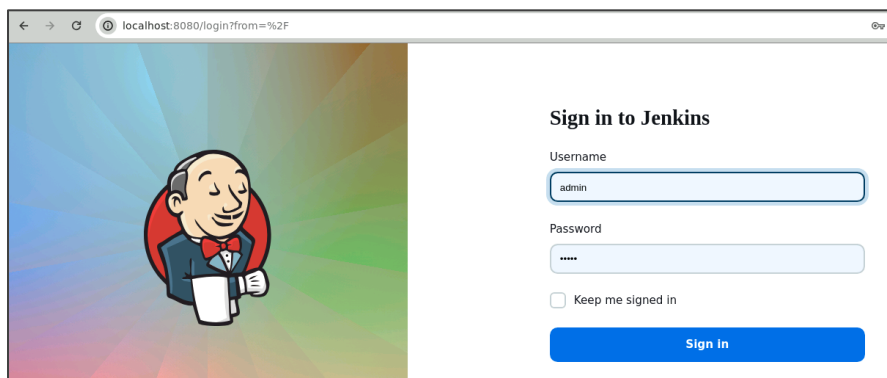
Prerequisites: You need to have a Jenkins up and running.

Steps to be followed:

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

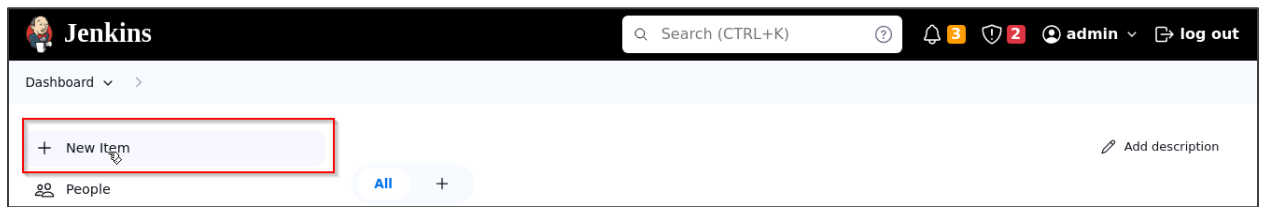
Step 1: Log in to the Jenkins CI tool and set up poll SCM configuration

1.1 Log in to Jenkins using the credentials

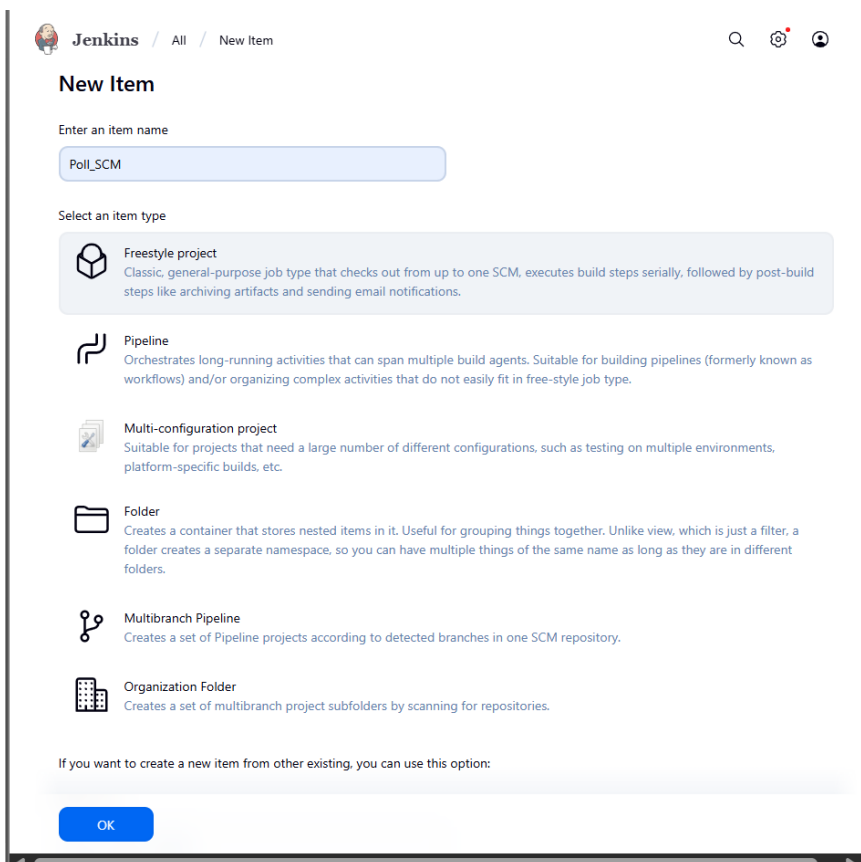


Note: The credentials for accessing Jenkins in the lab are Username: **admin** and Password: **admin**.

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

Source Code Management

Connect and manage your code repository to automatically pull the latest code for your builds.

☐ None

☒ Git ?

Repositories ?

Repository URL ? ✕

`https://github.com/hkshitesh/DEVSECOPS-MAVEN-REPO.git`

Credentials ?

- none - ▾

+ Add

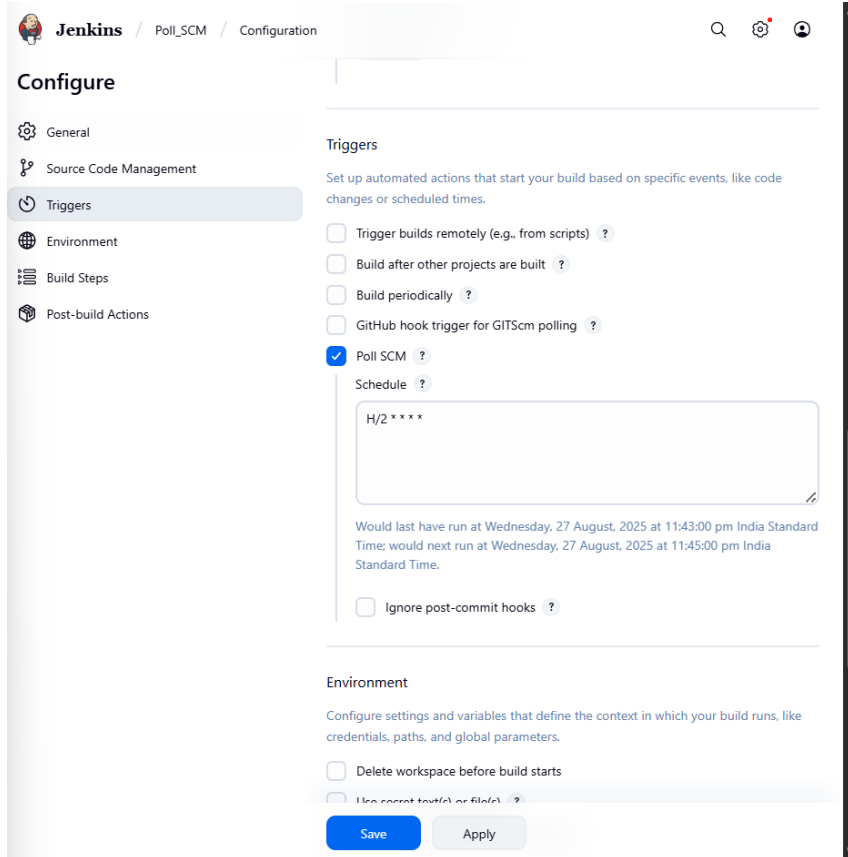
Advanced ▾

Add Repository

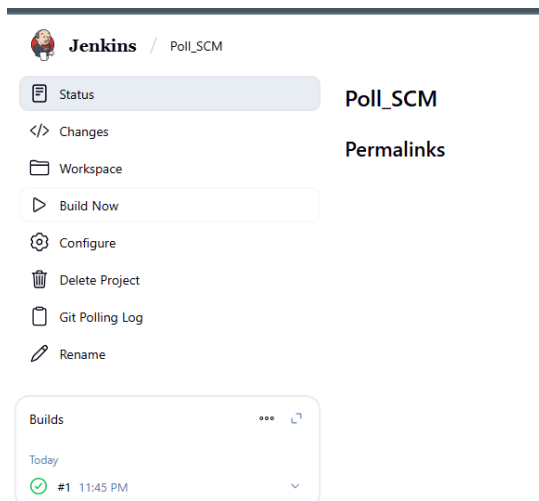
Branches to build ?

Note: Here, the repository URL is **`https://github.com/hkshitesh/DEVSECOPS-MAVEN-REPO.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 Then, click on **Build Now** to configure a build, and you will be able to view the successful build in the **Console output** section.



Jenkins / Poll_SCM / #1 / Console Output

Status

</> Changes

Console Output

Edit Build Information

Delete build '#1'

Timings

Git Build Data

Download Copy View as plain text

Started by user Vishal Pandey
Running as SYSTEM
Building in workspace
C:\ProgramData\Jenkins\.jenkins\workspace\Poll_SCM
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository <https://github.com/hkshitesh/DEVSECOPS-MAVEN-REPO.git>
> git.exe init
C:\ProgramData\Jenkins\.jenkins\workspace\Poll_SCM # timeout=10
Fetching upstream changes from
<https://github.com/hkshitesh/DEVSECOPS-MAVEN-REPO.git>
> git.exe --version # timeout=10
> git --version # 'git version 2.47.1.windows.2'
> git.exe fetch --tags --force --progress --
<https://github.com/hkshitesh/DEVSECOPS-MAVEN-REPO.git>
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe config remote.origin.url
<https://github.com/hkshitesh/DEVSECOPS-MAVEN-REPO.git> #
timeout=10
> git.exe config --add remote.origin.fetch
+refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> 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"

localhost:8080

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.