

## 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

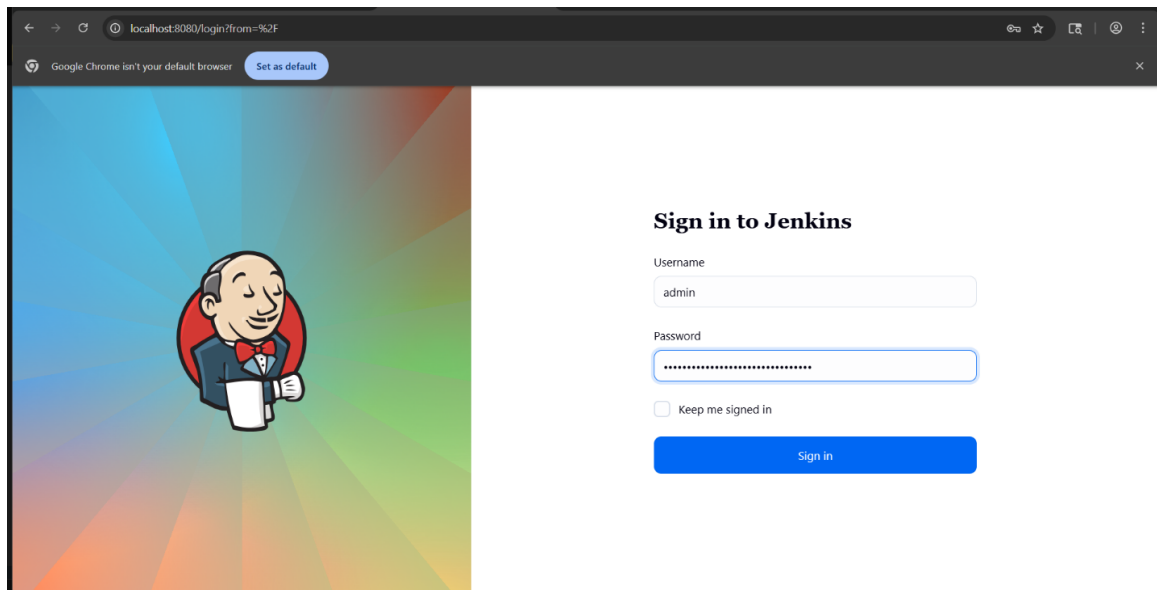
**PREREQUISITES:** YOU NEED TO HAVE A JENKINS UP AND RUNNING.

**STEPS TO BE FOLLOWED:**

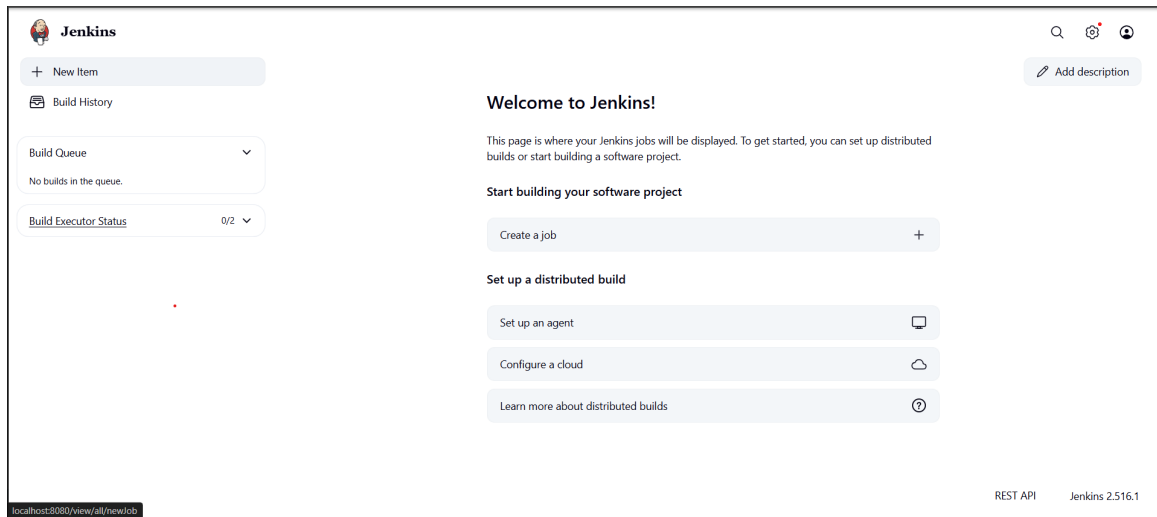
1. LOG IN TO THE JENKINS CI TOOL AND SET UP POLL SCM CONFIGURATION

#### STEP 1: LOG IN TO THE JENKINS CI TOOL AND SET UP POLL SCM CONFIGURATION

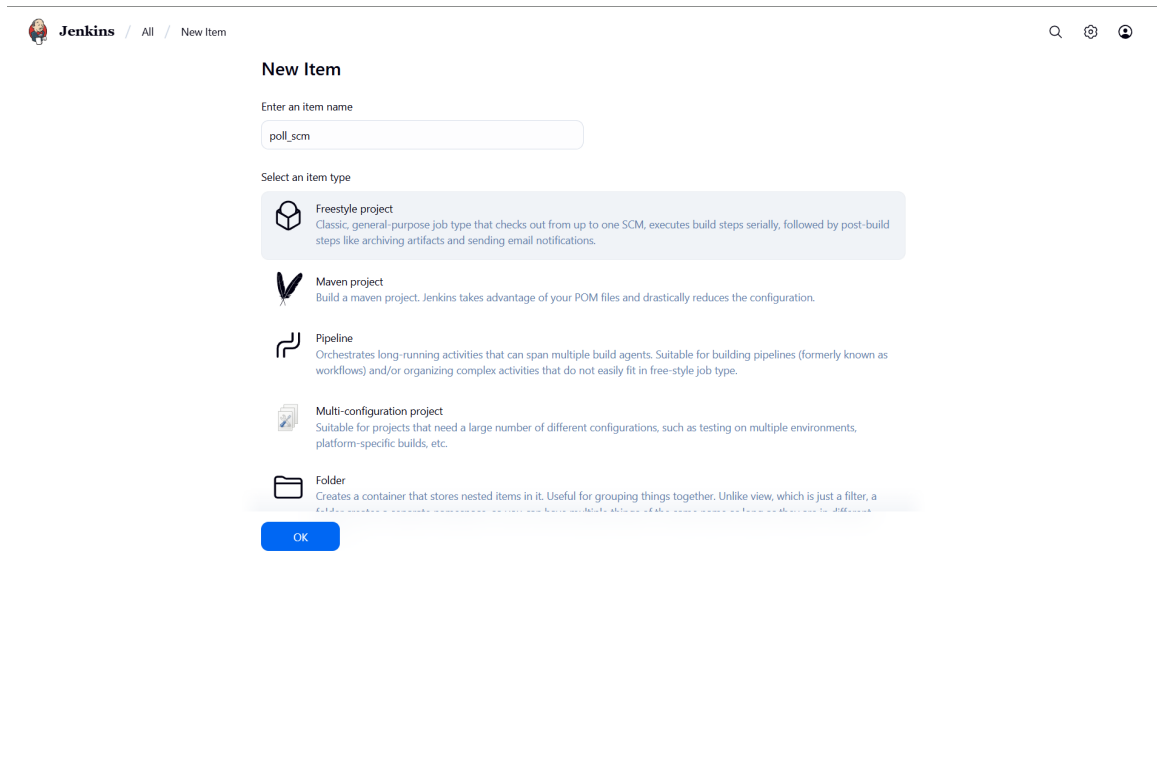
1. LOG IN TO JENKINS USING THE CREDENTIALS



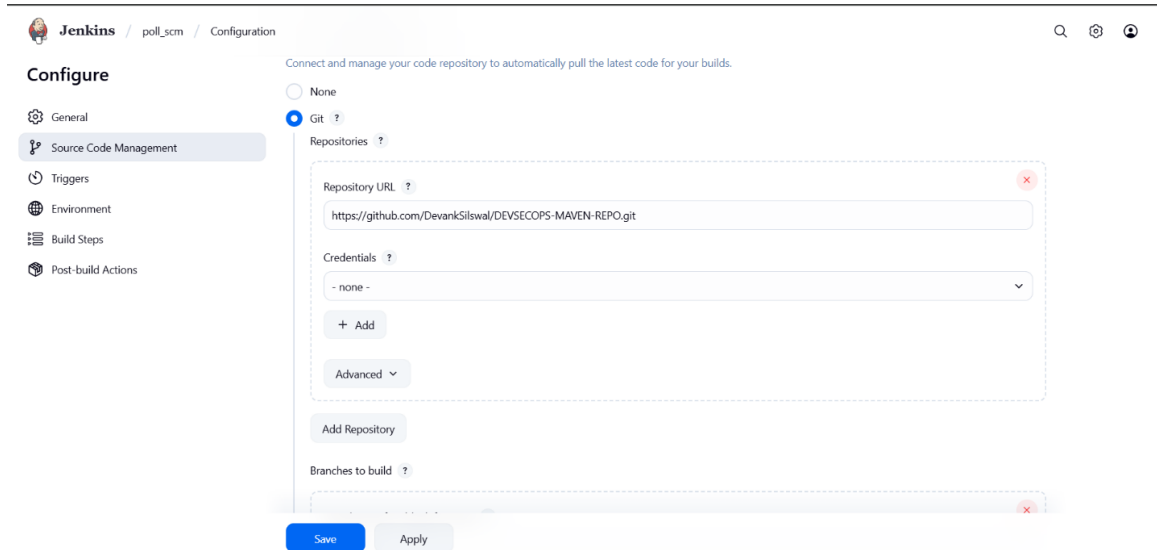
## 2. IN THE JENKINS DASHBOARD, CLICK ON **NEW ITEM**



## 3. SELECT THE **FREESTYLE PROJECT** WHILE CREATING A JENKINS JOB, PROVIDE A CUSTOM JOB NAME, AND CLICK ON **OK**

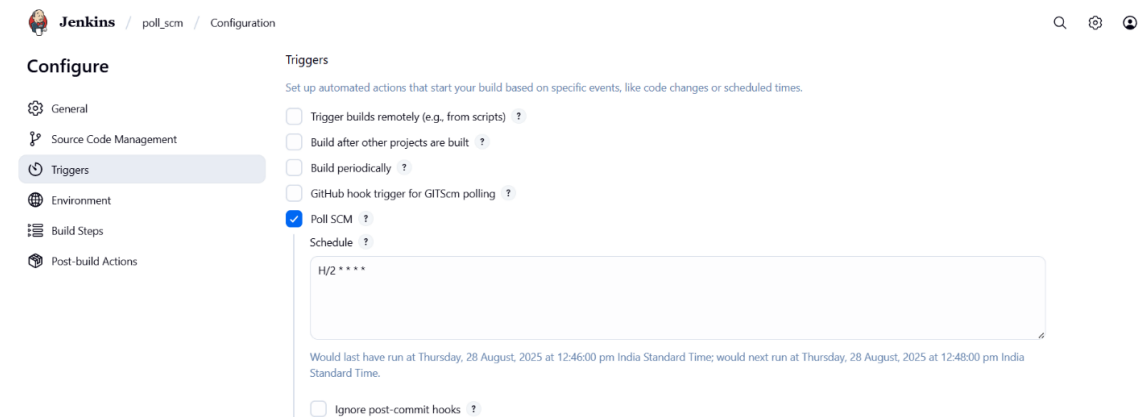


4. NOW, IN THE CONFIGURE PAGE, NAVIGATE TO **SOURCE CODE MANAGEMENT** FROM THE LEFT NAVIGATION BAR, SELECT **Git**, AND THEN PROVIDE THE **Git REPOSITORY URL**




The screenshot shows the Jenkins configuration page for 'poll\_scm'. The left sidebar has 'Source Code Management' selected. The main area shows the 'Git' option selected under 'Connect and manage your code repository'. A 'Repository URL' field contains 'https://github.com/DevankSilswal/DEVSECOPS-MAVEN-REPO.git'. The 'Credentials' dropdown is set to '- none -'. There are '+ Add' and 'Advanced' buttons. Below is an 'Add Repository' button and a 'Branches to build' section. At the bottom are 'Save' and 'Apply' buttons.

5. NOW, NAVIGATE TO **BUILD ENVIRONMENT**, CLICK ON **POLL SCM**, PROVIDE **H/2\*\*\*\*** UNDER THE **SCHEDULE** SECTION, AND THEN CLICK ON **SAVE**

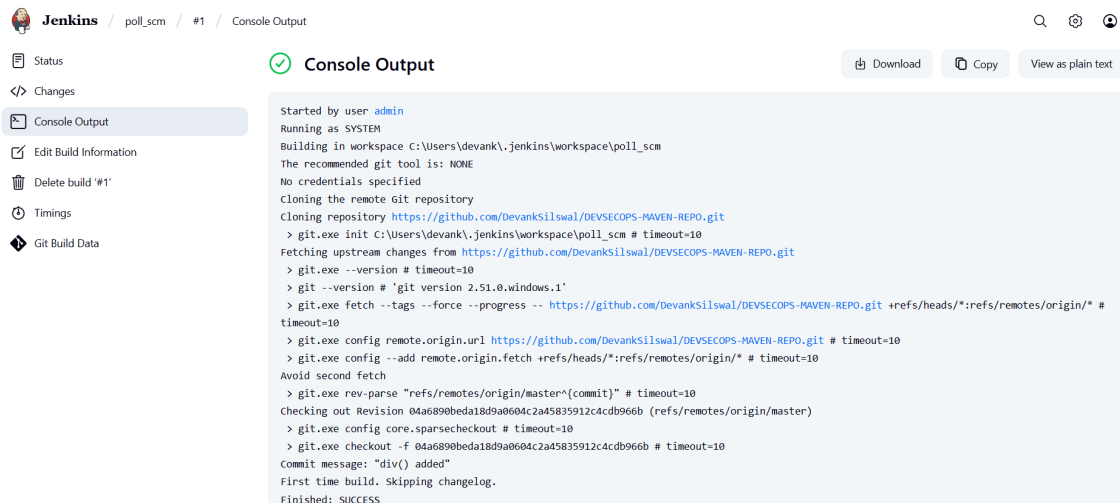


The screenshot shows the Jenkins configuration page for 'poll\_scm' with the 'Triggers' section selected. It lists several trigger options: 'Trigger builds remotely (e.g., from scripts)', 'Build after other projects are built', 'Build periodically', 'GitHub hook trigger for GITScm polling', and 'Poll SCM'. The 'Poll SCM' option is checked. Below it, the 'Schedule' field contains 'H/2\*\*\*\*'. A note indicates the last run was on Thursday, 28 August, 2025 at 12:46:00 pm India Standard Time, and the next run is at 12:48:00 pm India Standard Time. There is also an unchecked 'Ignore post-commit hooks' option.

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.



The screenshot shows the Jenkins configuration page for a project named 'poll\_scm'. On the left, there is a sidebar with navigation links: Status, Changes, Workspace, Build Now, Configure, Delete Project, Git Polling Log, and Rename. The 'Build Now' link is highlighted. The main area shows the project name 'poll\_scm' and a section for 'Permalinks'. Below this, there is a 'Builds' section showing a single build from 'Today' at '12:49 PM' with a green status icon.



The screenshot shows the Jenkins 'Console Output' for build #1 of the 'poll\_scm' project. The left sidebar has 'Console Output' selected. The main area displays the build log, which starts with 'Started by user: admin' and 'Running as SYSTEM'. The log shows the process of cloning a Git repository from 'https://github.com/DevankSilswal/DEVSECOPS-MAVEN-REPO.git' and checking out a specific revision. The build concludes with 'First time build. Skipping changelog.' and 'Finished: SUCCESS'. There are buttons for 'Download', 'Copy', and 'View as plain text' at the top right of the console output area.

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.