

## 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

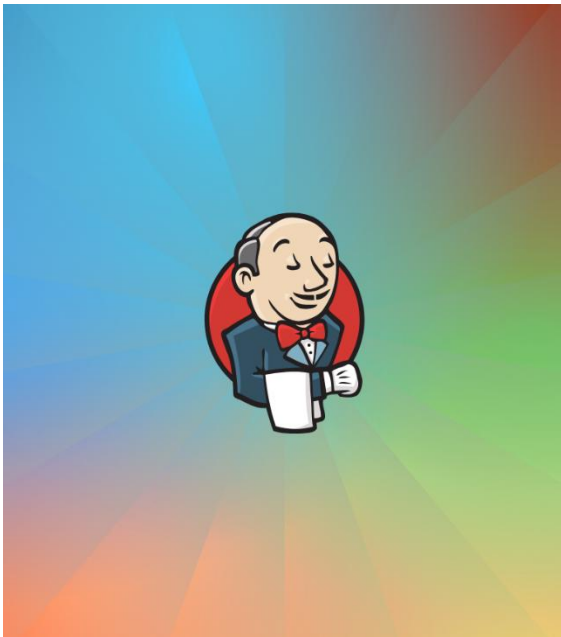
**Prerequisites:** You need to have a Jenkins up and running.

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



#### Sign in to Jenkins

Username

namit53

Password

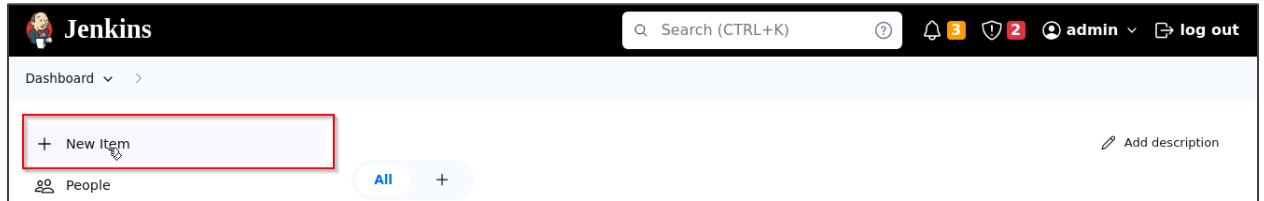
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☐ Keep me signed in

Sign in

**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**

### New Item

Enter an item name

poll\_scm

Select an item type



#### Freestyle project

Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.



#### Maven project

Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.



#### Pipeline

Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.



#### Multi-configuration project

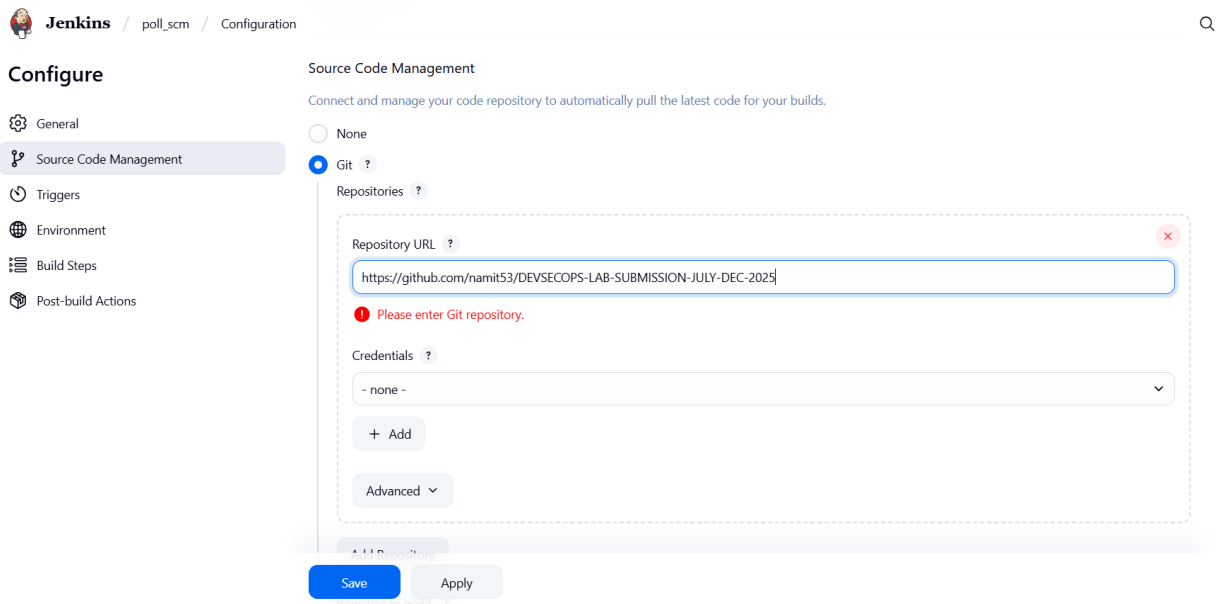
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.



#### Folder

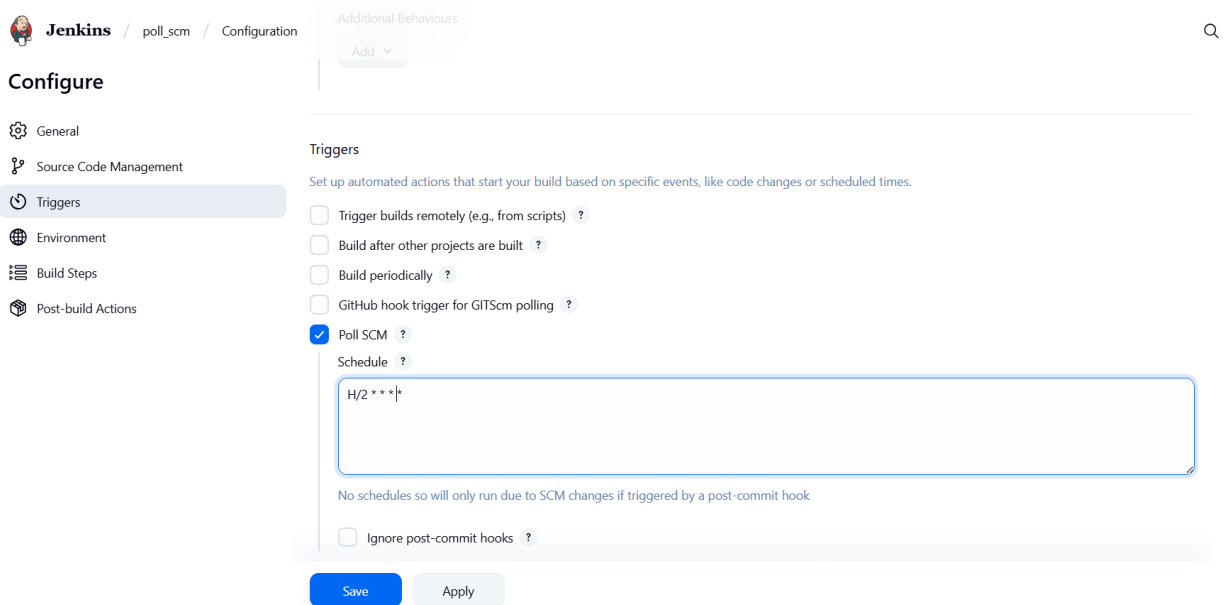
OK

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/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.



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.