

Lab Exercise 6.2

Creating a New Jenkins Job to Checkout Source Code

Objective: To set up a Jenkins job to manage source code, specifically by configuring the Source Code Management section to check out code from a Git repository

Tools required: Jenkins

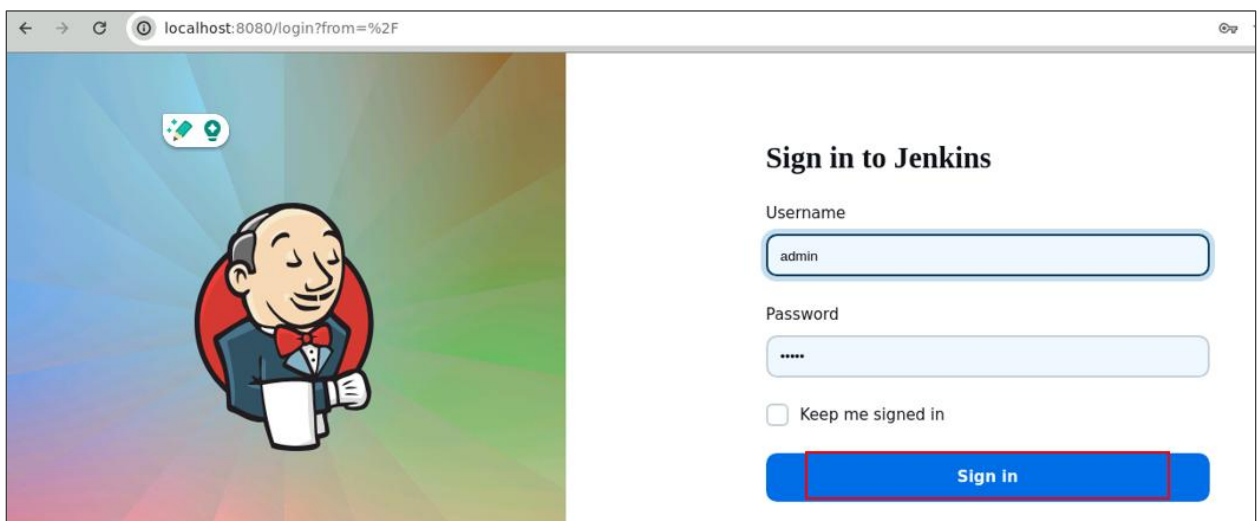
Prerequisites: Jenkins must be operational.

Steps to be followed:

1. Log in and create a Jenkins job
2. Configure source code management

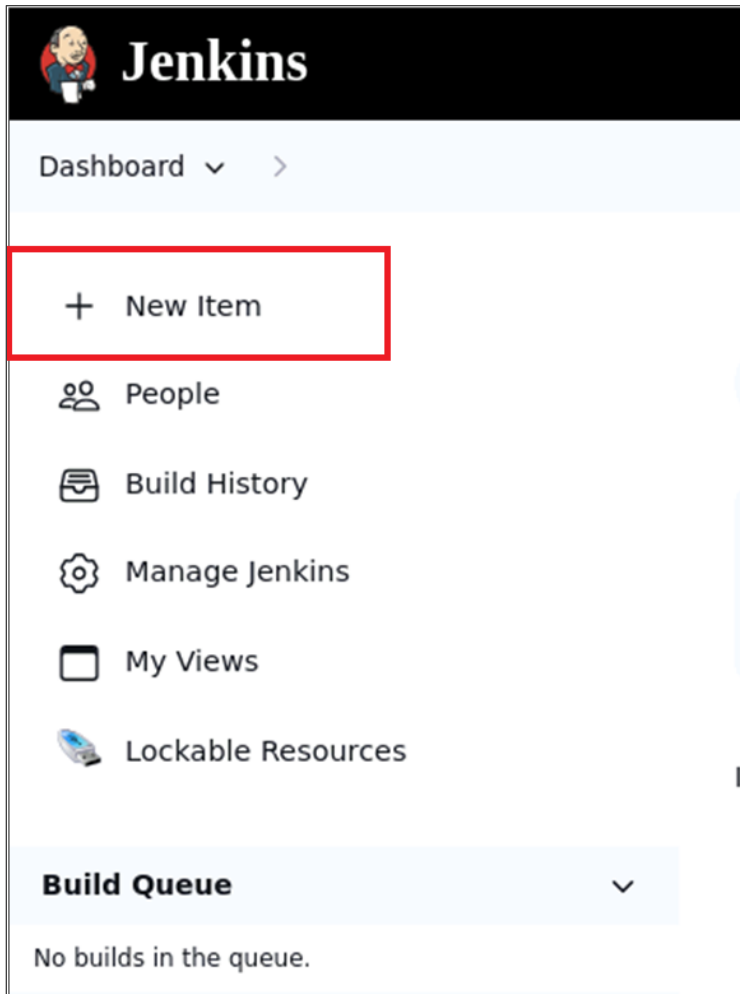
Step 1: Log in and create a Jenkins job

- 1.1 Navigate to **localhost:8080** in your web browser, enter your credentials, and click on **Sign In**

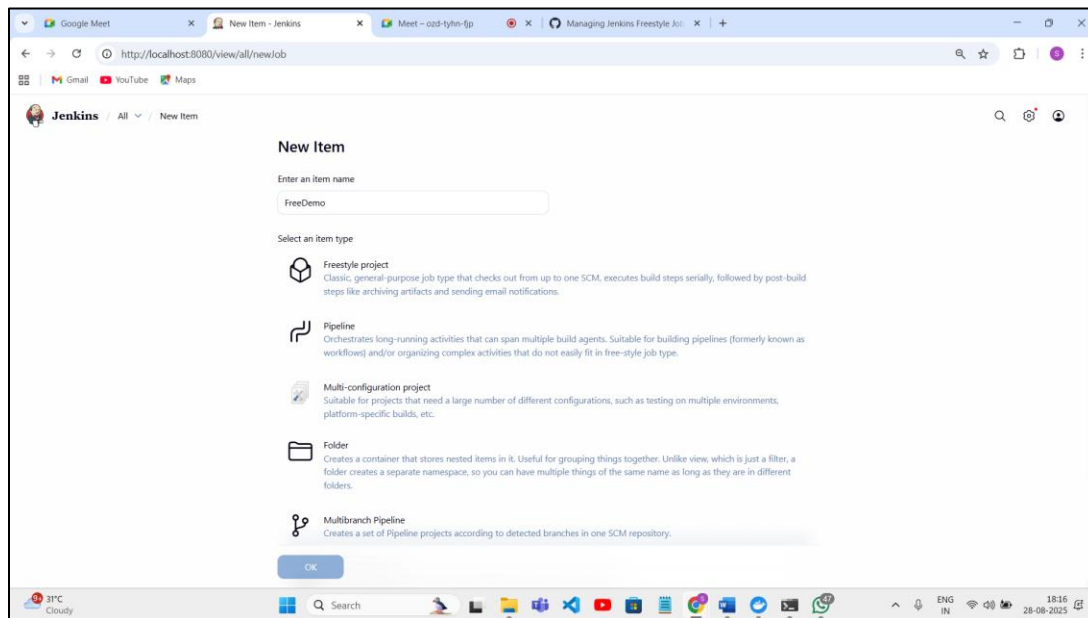


Note: The credentials for accessing Jenkins in the lab are Username: **admin** and Password: **admin**.

1.2 Create a new Jenkins job by clicking on **New Item**

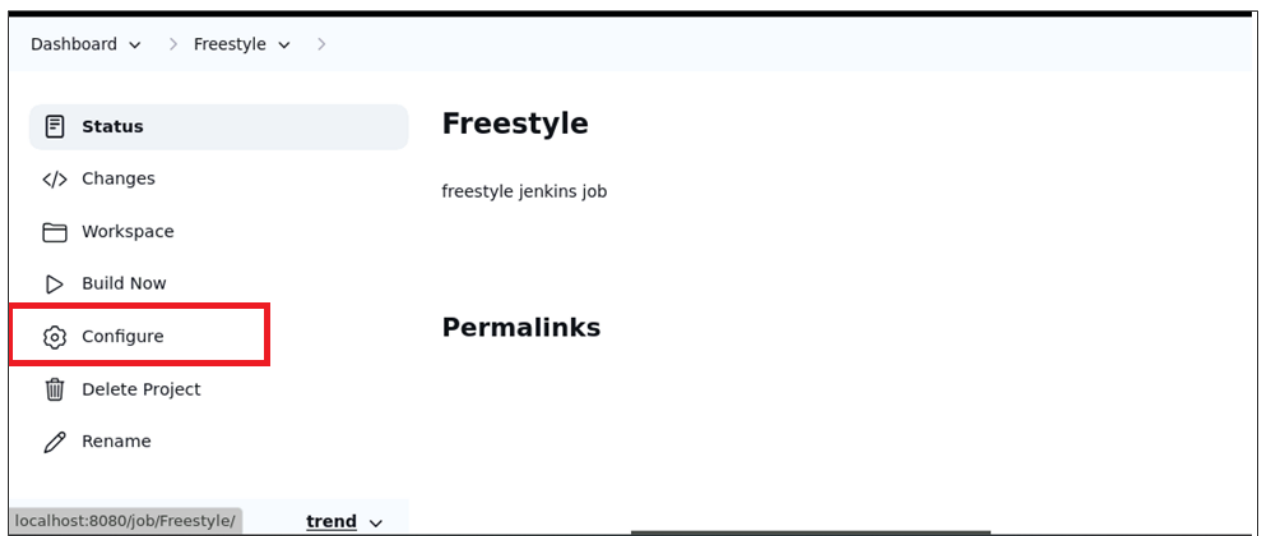


1.3 Provide custom job name inside the field **Enter an item name**, select the **Freestyle project** option, and click on the **OK** button to save the job

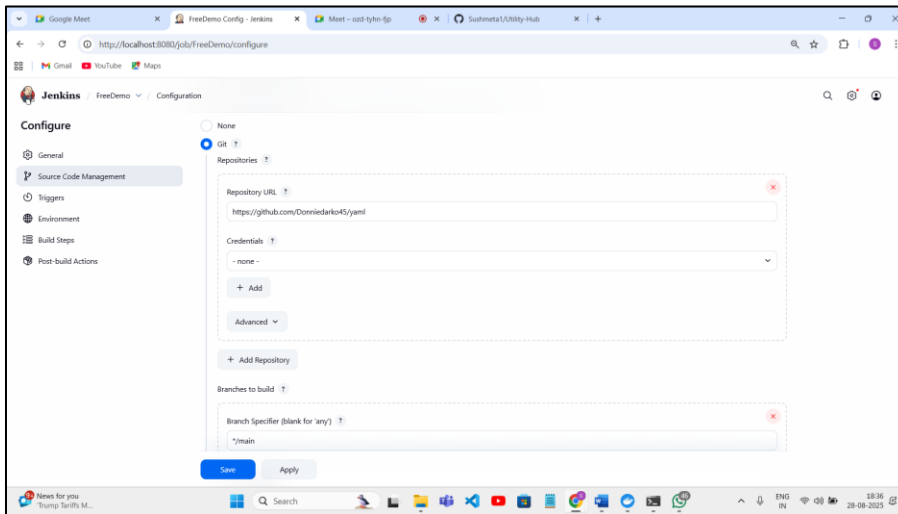


Step 2: Configure source code management

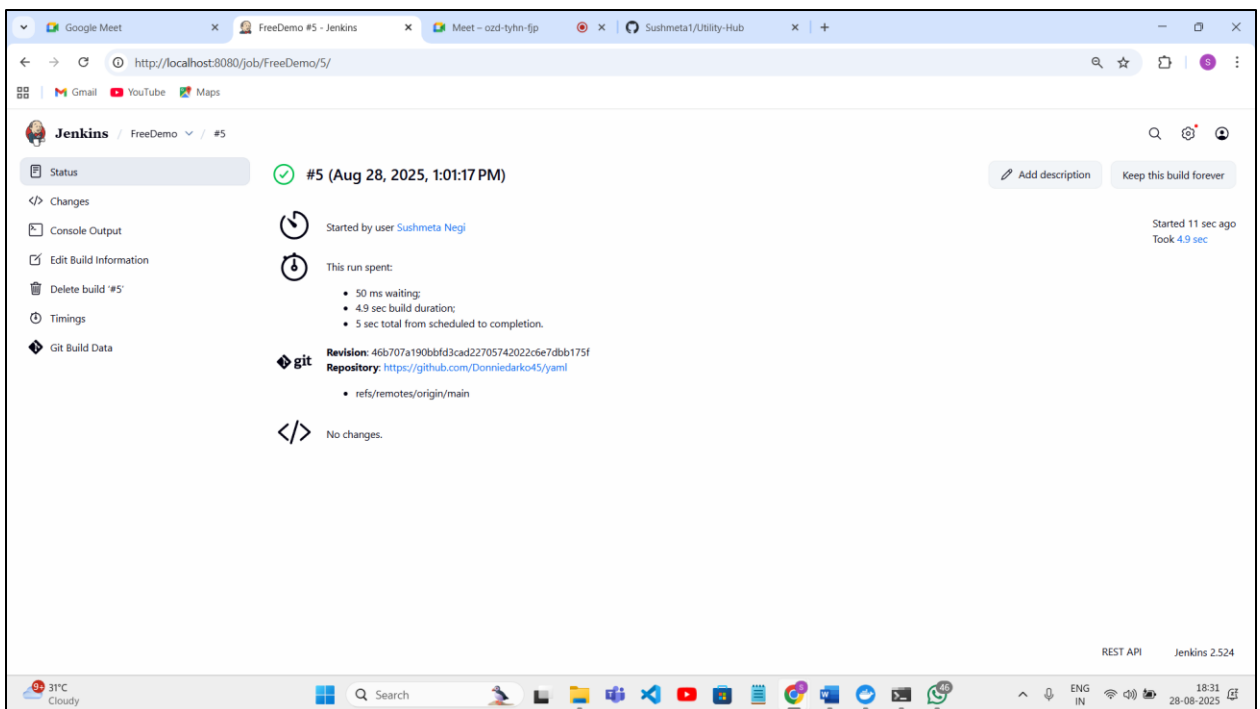
2.1 Access the newly created job's configuration screen by clicking on **Configure**

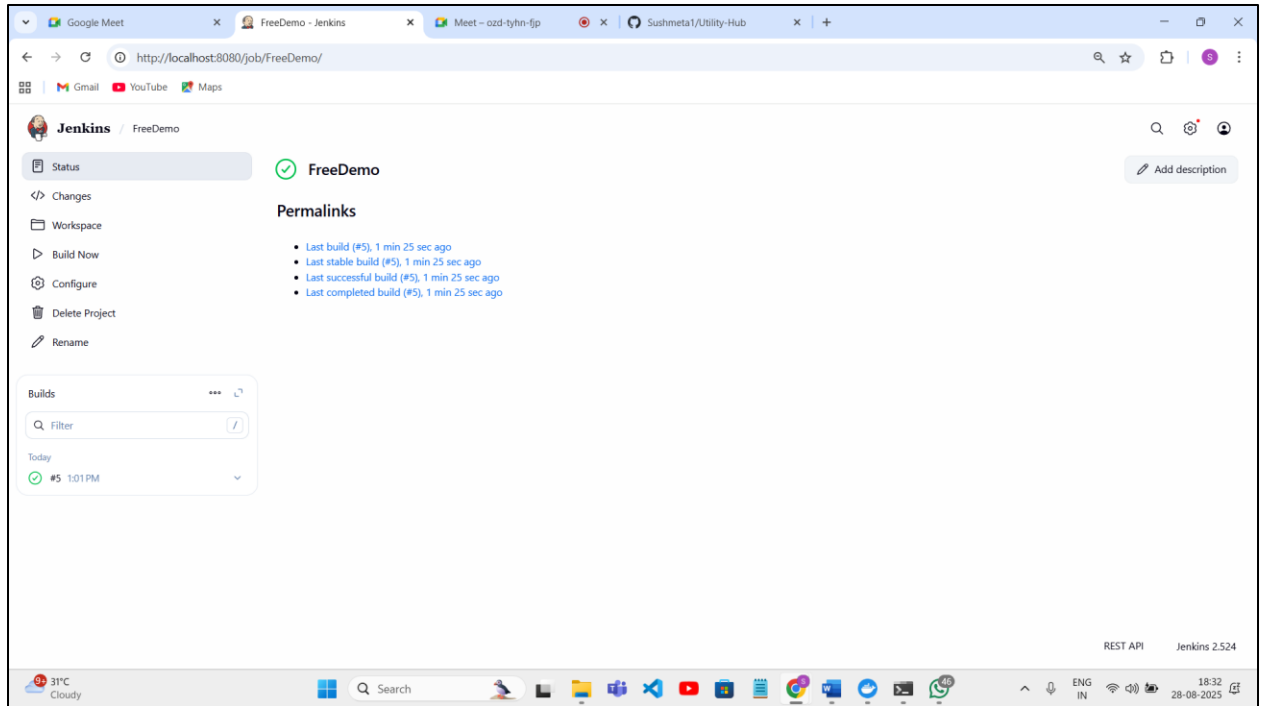


2.2 Navigate to the **Source Code Management** tab, provide Git repository configuration inside the **Repository URL** field, and click on the **Save** button

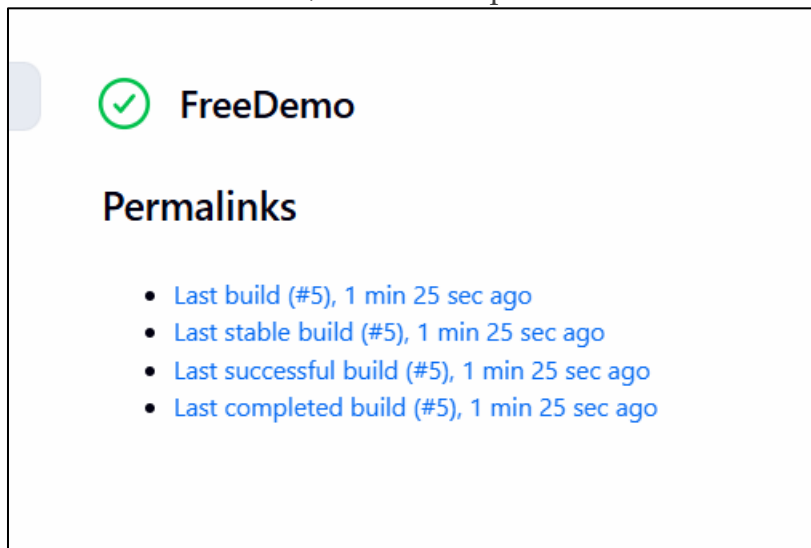


2.3 Then, click on the **Build Now** option to schedule a build

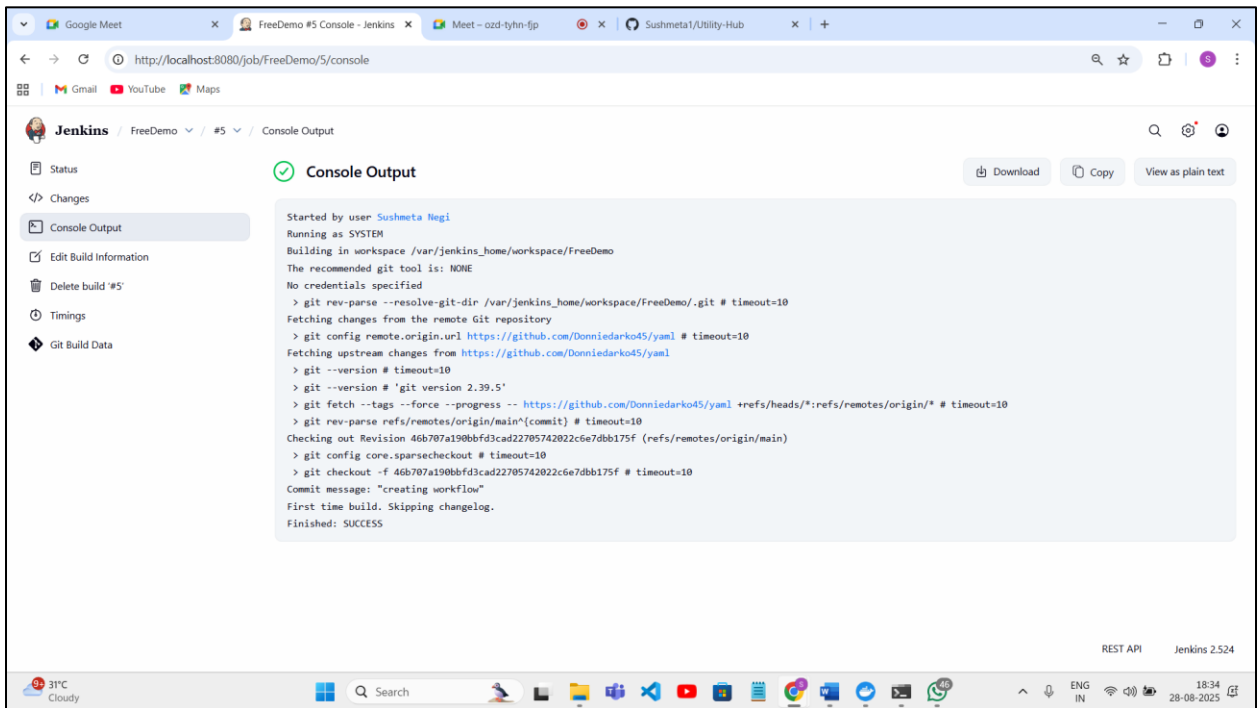




2.4 To schedule the build, click the required link under **Permalinks**



2.5 Click on **Console Output** to check out the process during the build process



By following these steps, you have successfully set up a Jenkins job to automatically check out source code from a Git repository, enabling seamless integration and automation in your CI/CD pipeline.