

Lab Exercise 6.2

Creating a New Jenkins Job to Checkout Source Code

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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

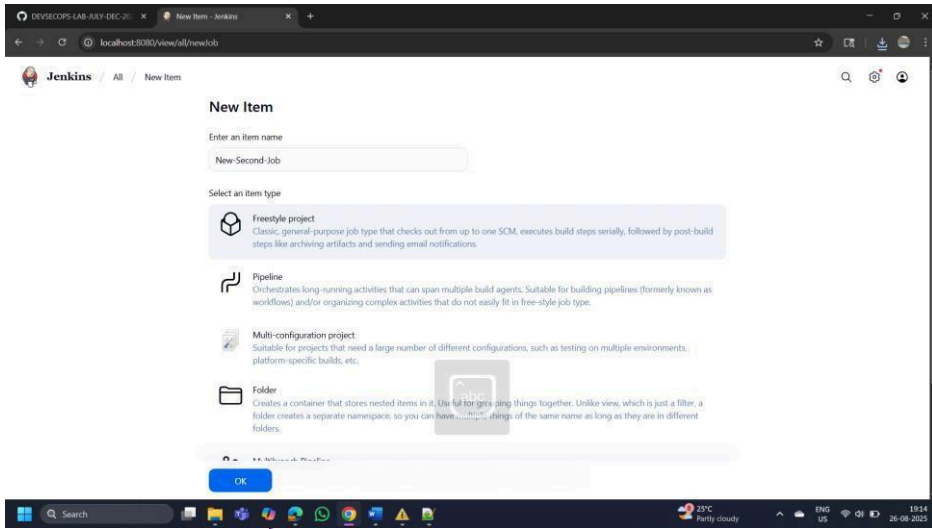
Prerequisites: Jenkins must be operational.

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**

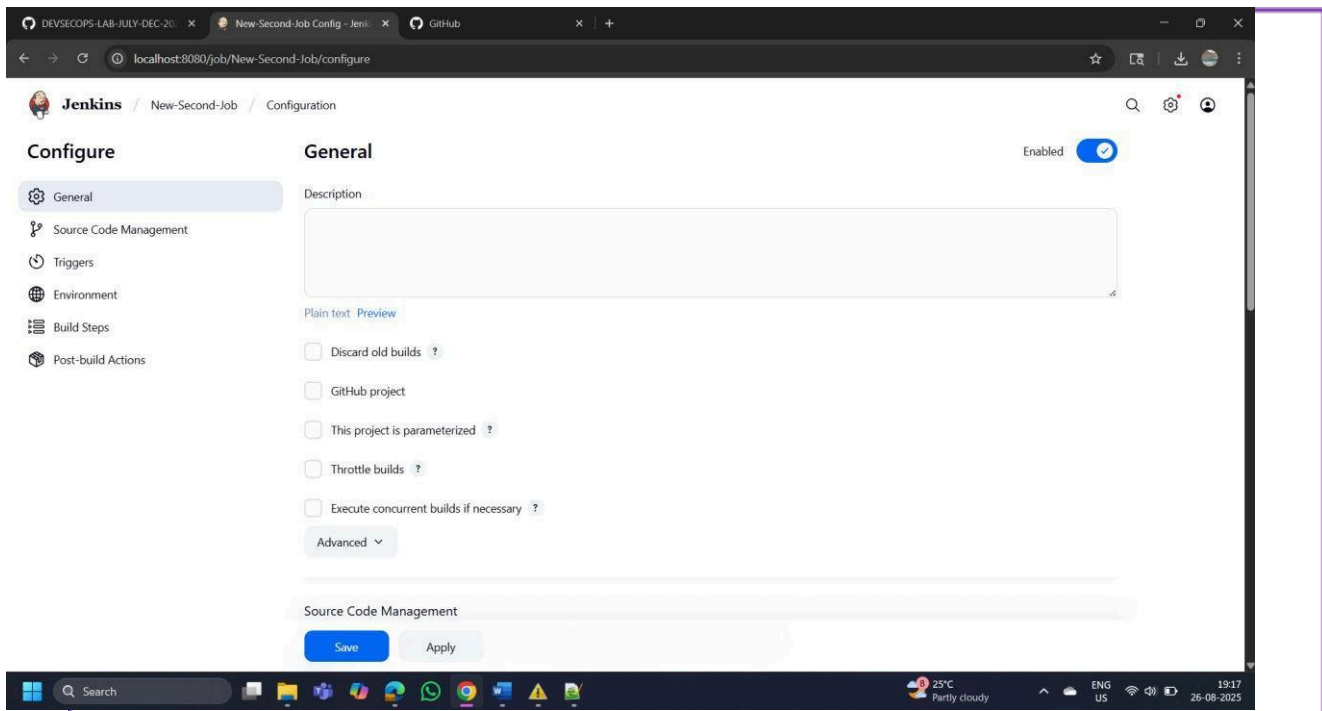
Create a new Jenkins job by clicking on **New Item**

- 1.2 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

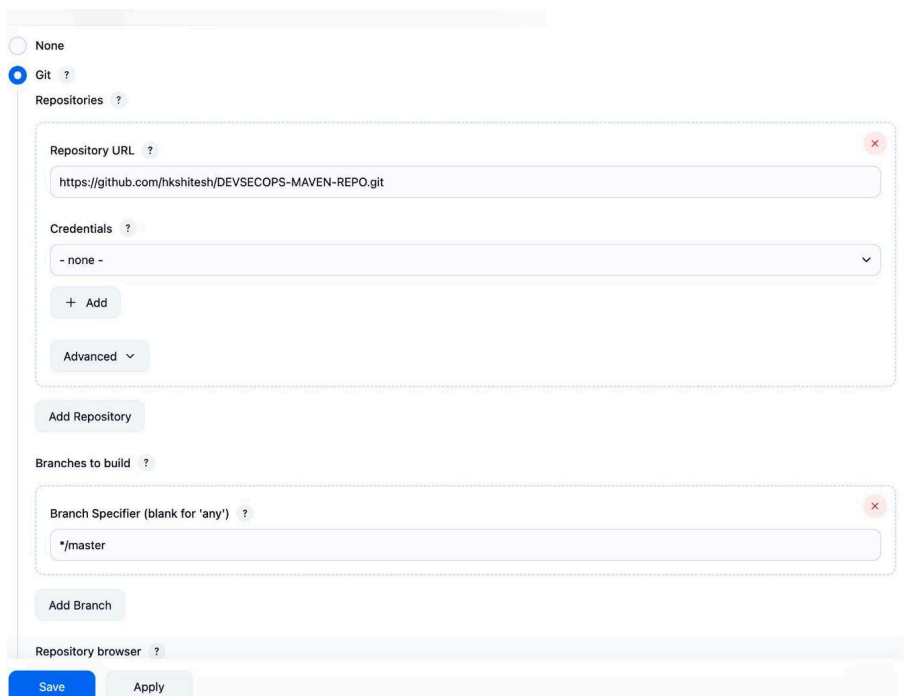


Step 2: Configure source code management

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



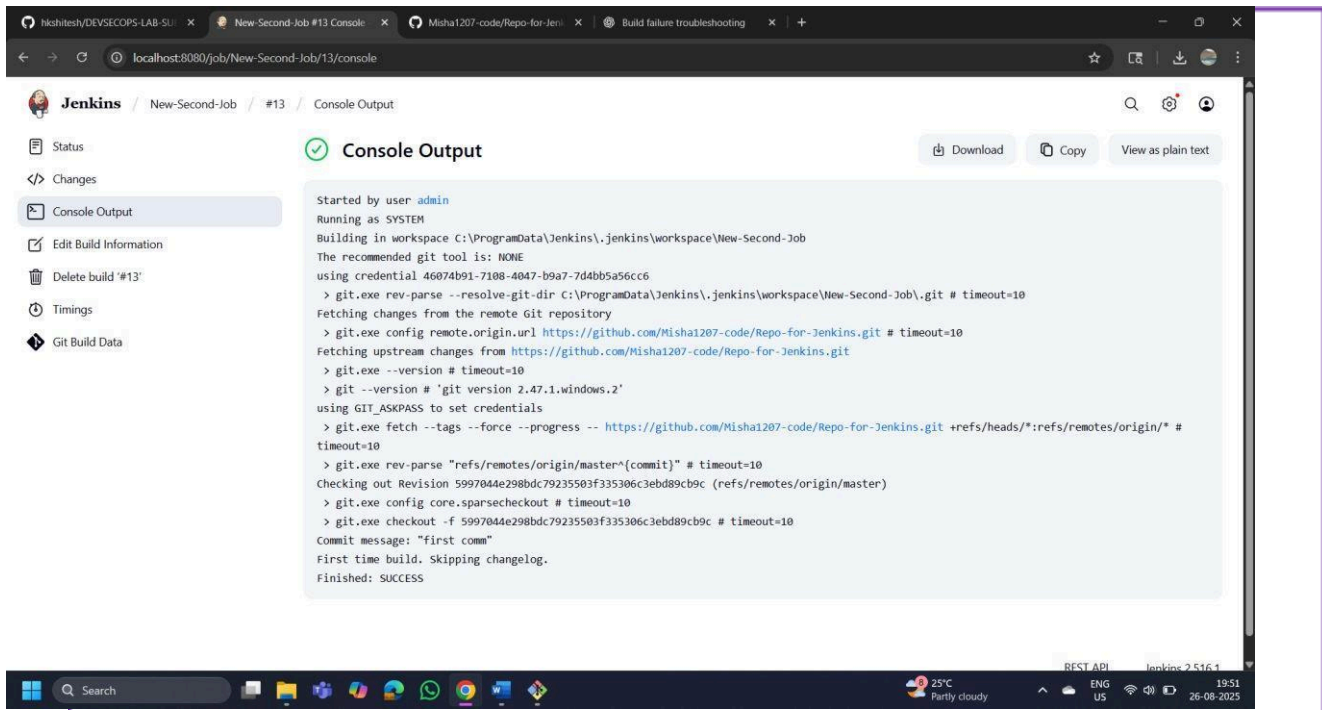
2.3 Then, click on the **Build Now** option to schedule a build



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

The screenshot shows the Jenkins web interface in a browser window. The address bar indicates the URL is `localhost:8080/job/New-Second-Job/`. The page title is "Jenkins / New-Second-Job". On the left sidebar, there are navigation links: Status, Changes, Workspace, Build Now, Configure, Delete Project, and Rename. The main content area is titled "New-Second-Job" and contains a section labeled "Permalinks". Below this, there is a "Builds" section showing a list of builds. The first build is labeled "Today" and has a status of "#13 7:51 PM" with a green checkmark icon. At the bottom right of the Jenkins interface, there are links for "REST API" and "Jenkins 2.516.1". The Windows taskbar is visible at the bottom, showing the search bar, task view button, and several application icons. The system tray on the right shows the temperature as 25°C, weather as "Partly cloudy", language as "ENG US", and the date and time as "19:51 26-08-2025".

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.