

## 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.

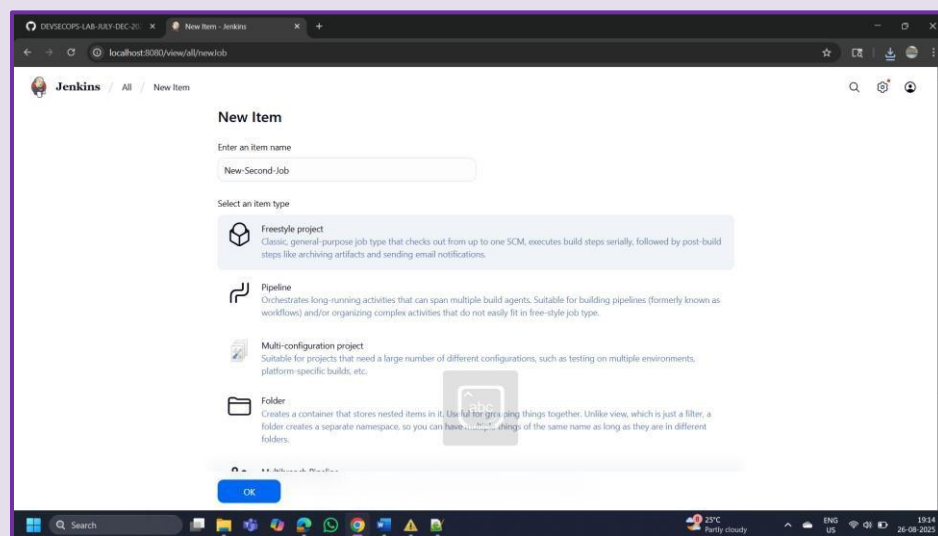
#### Step 1: Log in and create a Jenkins job

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



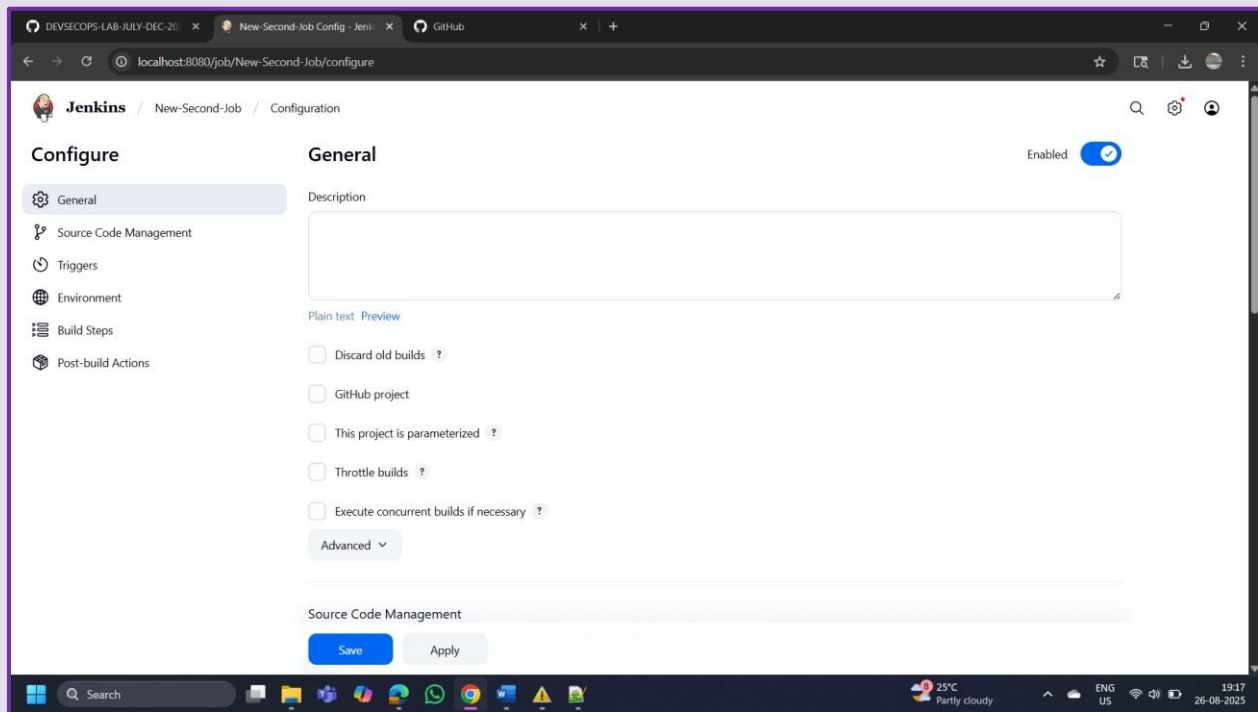
Create a new Jenkins job by clicking on **New Item**

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

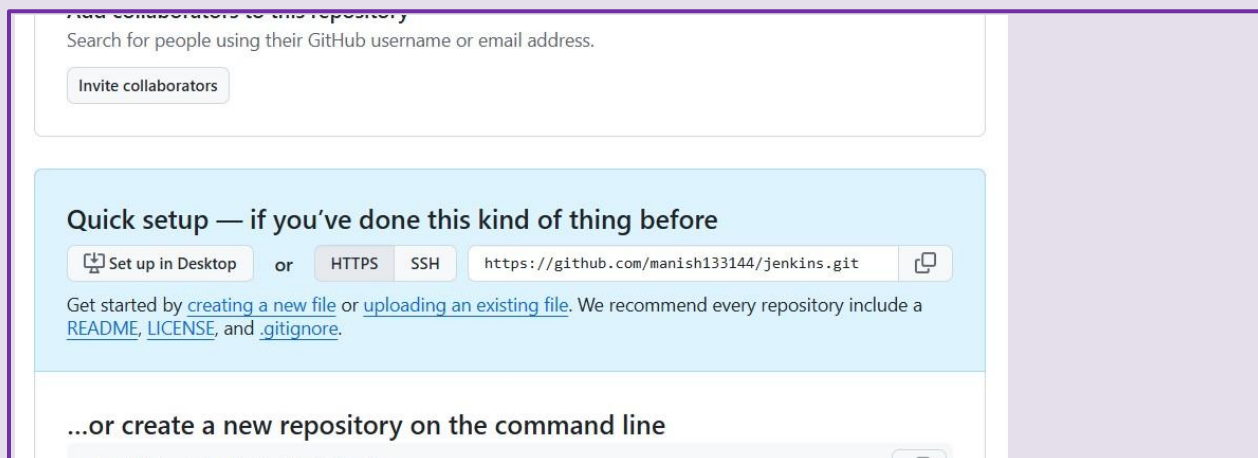


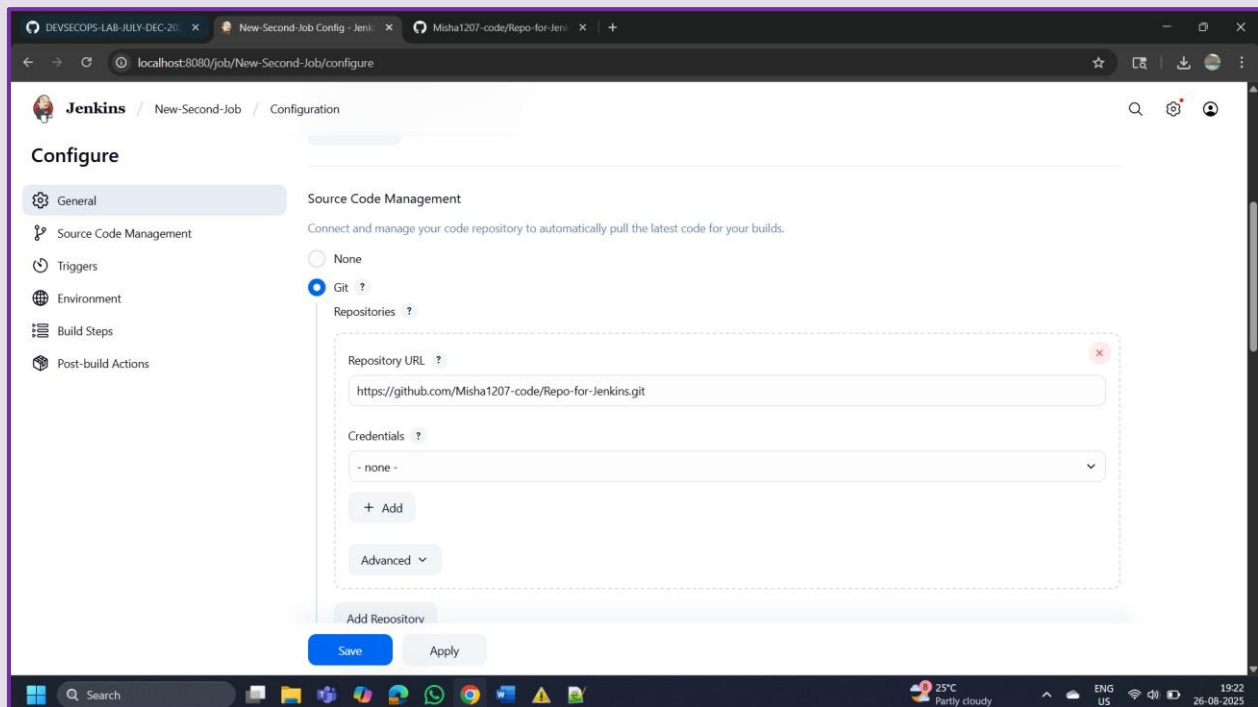
## Step 2: Configure source code management

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

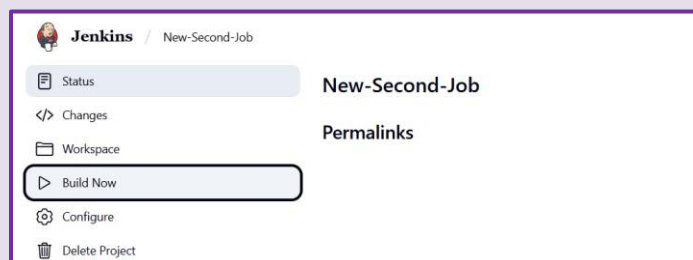


### 2.2 Navigate to the **Source Code Management** tab, provide Git repository configuration inside the **Repository URL** field, and click on the **Save** button





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



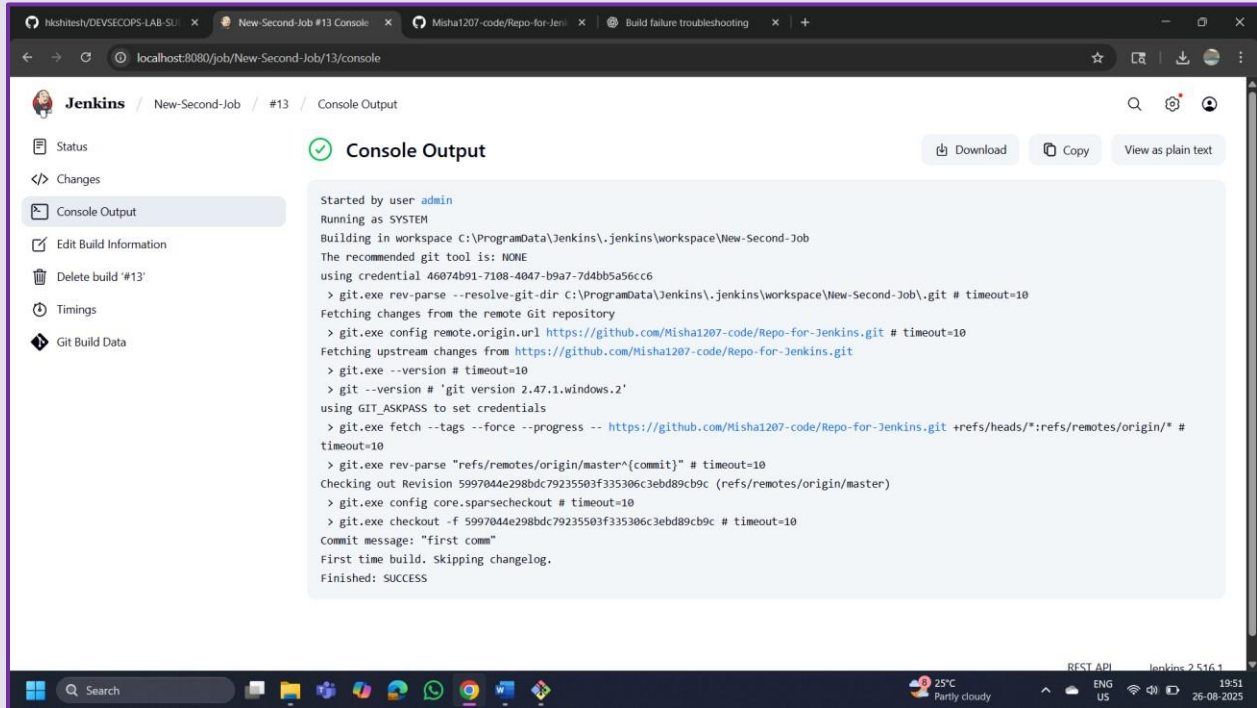
## 2.4 To schedule the build, click the required link under Permalinks

The image displays two screenshots of the Jenkins web interface, illustrating the process of scheduling a build and viewing its details.

**Top Screenshot:** The Jenkins interface for the job 'New-Second-Job'. The left sidebar shows the 'Status' tab selected. The main content area displays the job name 'New-Second-Job' and a 'Permalinks' section. Below the job name, there is a 'Builds' section showing a list of builds. The first build, #13, is highlighted with a green status icon and a timestamp of 7:51 PM. The bottom of the page shows the REST API and Jenkins version 2.516.1.

**Bottom Screenshot:** The Jenkins interface for the job 'New-Second-Job' showing the details of build #13. The left sidebar shows the 'Status' tab selected. The main content area displays the build details for #13, including the build name, status (green), and a 'Permalinks' section. The 'Permalinks' section contains a link to the build's permalink: <https://localhost:8080/job/New-Second-Job/13/>. The bottom of the page shows the REST API and Jenkins version 2.516.1.

## 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.