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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

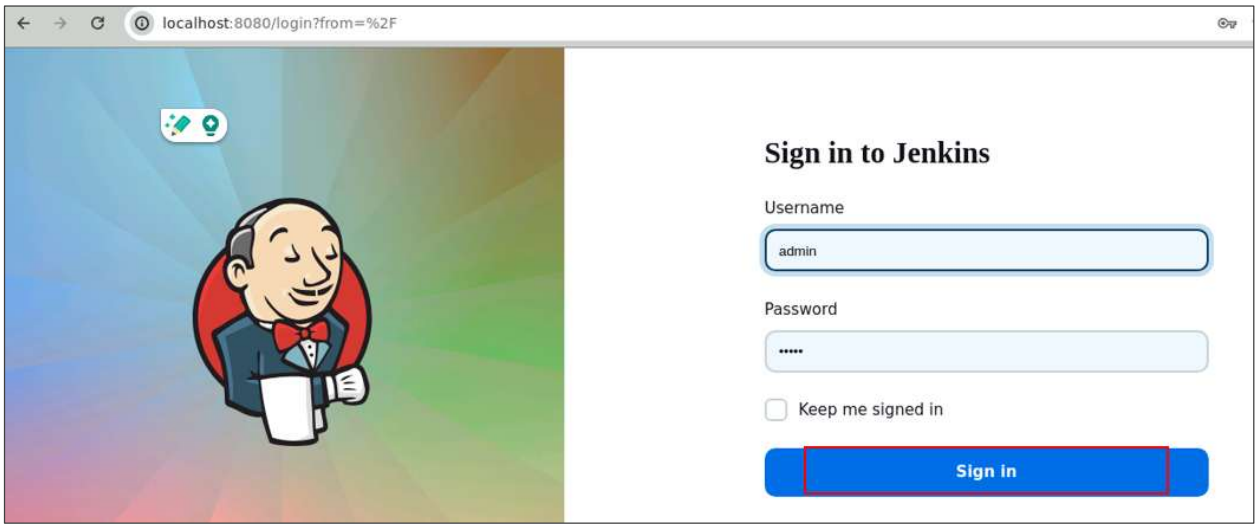
Prerequisites: Jenkins must be operational.

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**.

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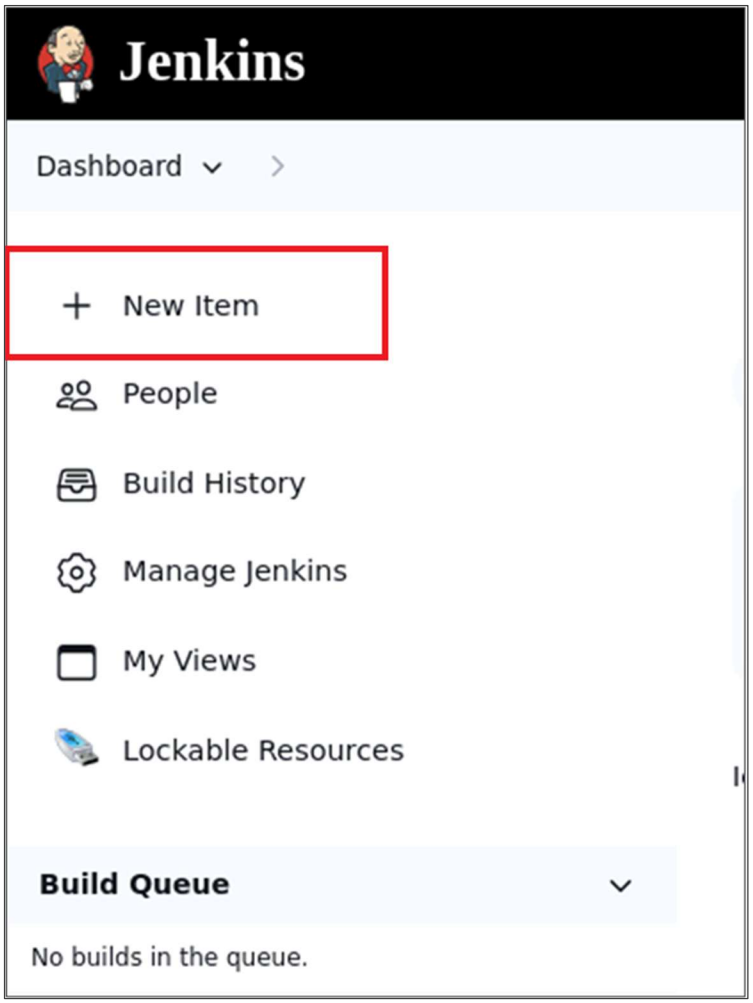
1.2 Create a new Jenkins job by clicking on **New Item**



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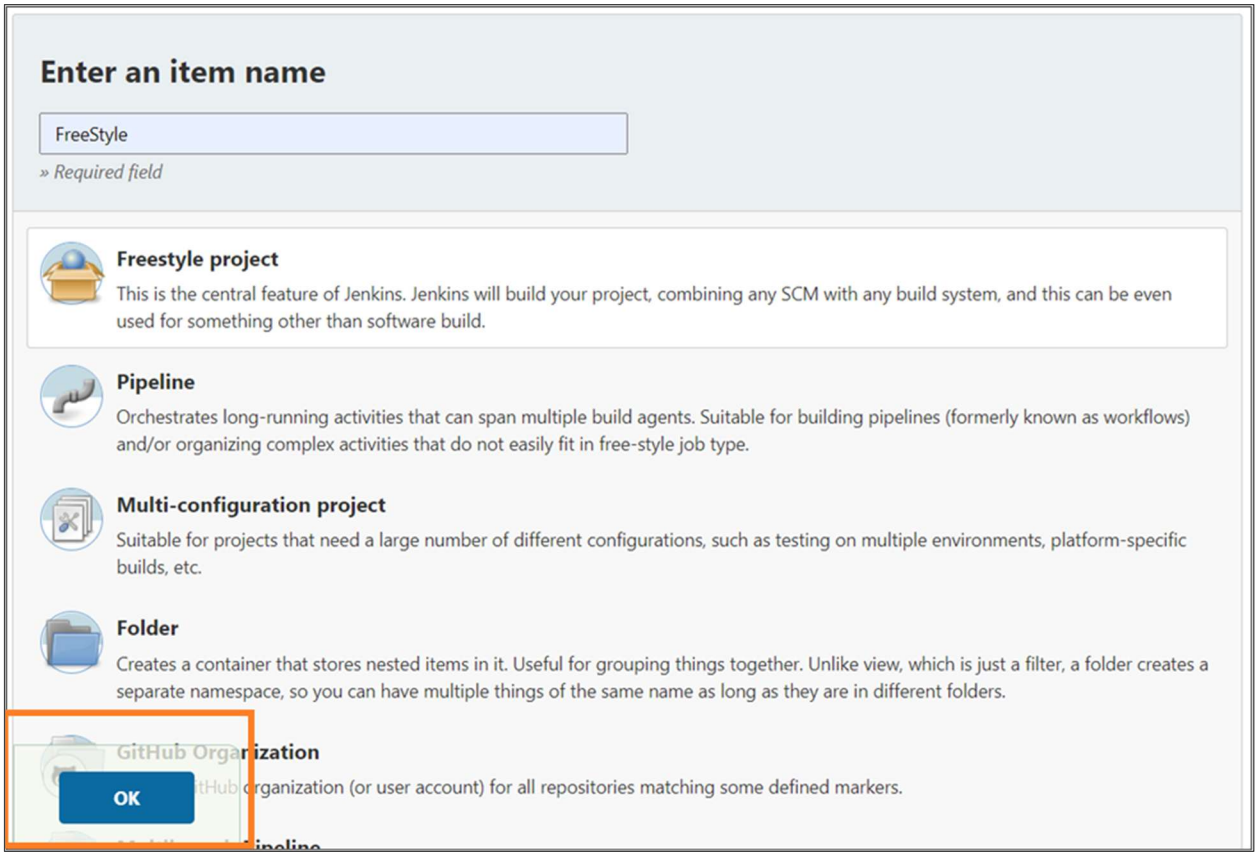
1.3 Provide custom job name inside the field **Enter an item name,** select the **Freestyle project** option, and click on the **OK** button to save the job



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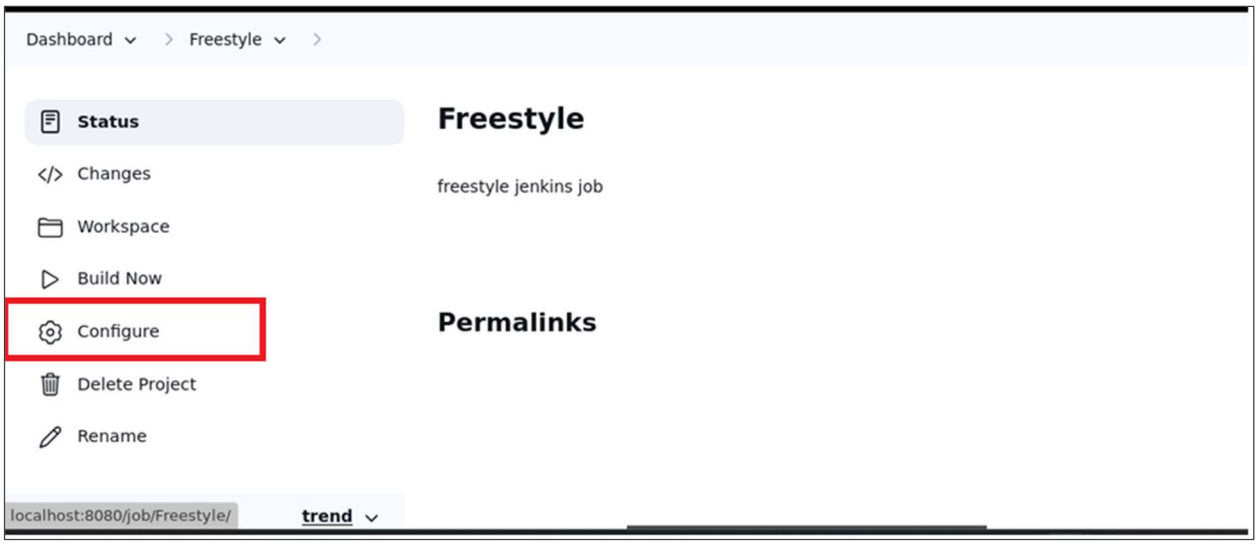
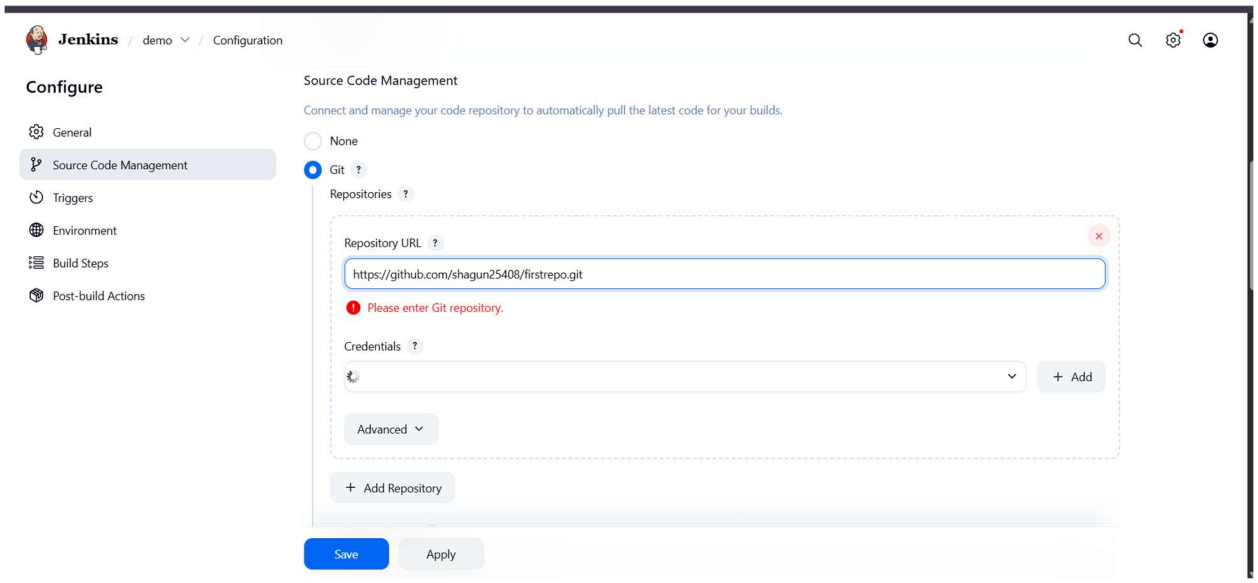
Step 2: Configure source code management

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



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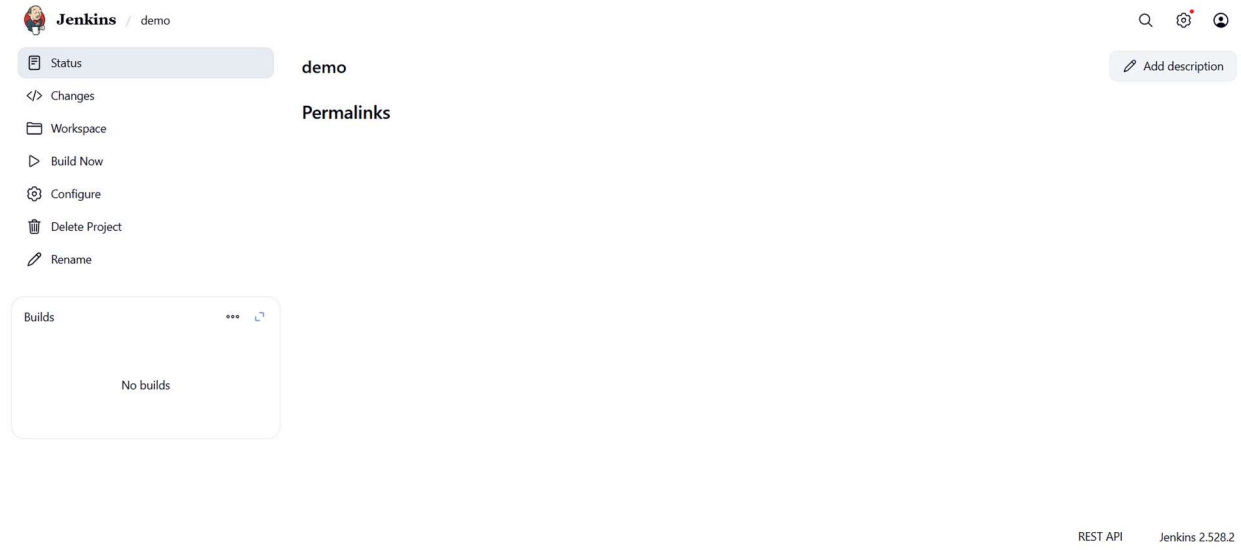
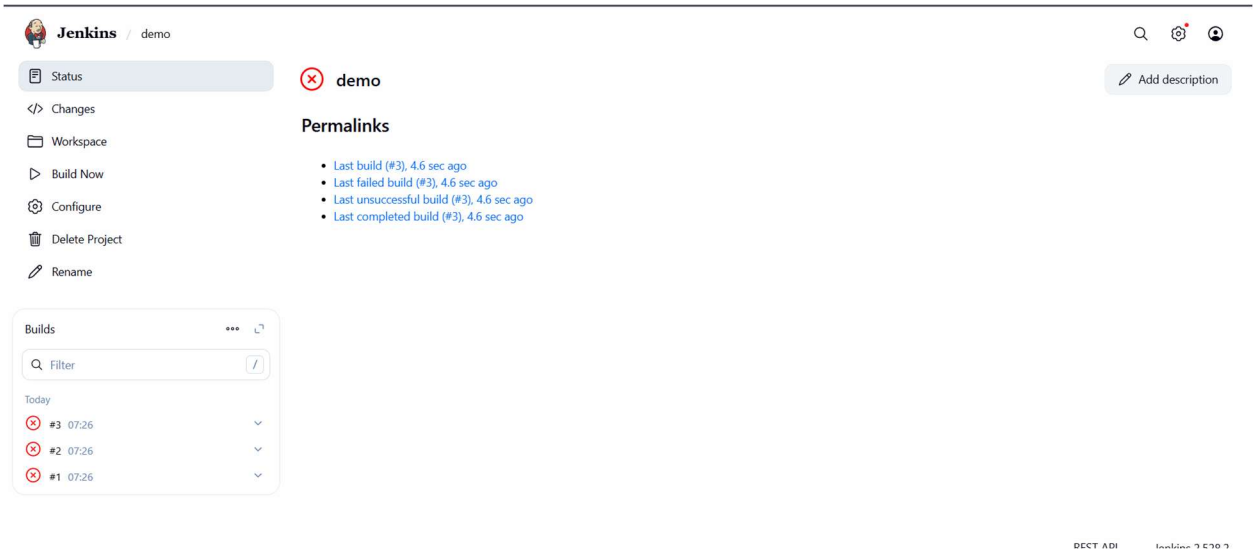
2.3 Then, click on the **Build Now** option to schedule a build



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

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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.