Lesson 06 Demo 01

Setting up Git Configuration in Jenkins Job

Objective: To set up Git configuration in Jenkins for streamlined version control and

automated build processes

Tools required: Jenkins

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

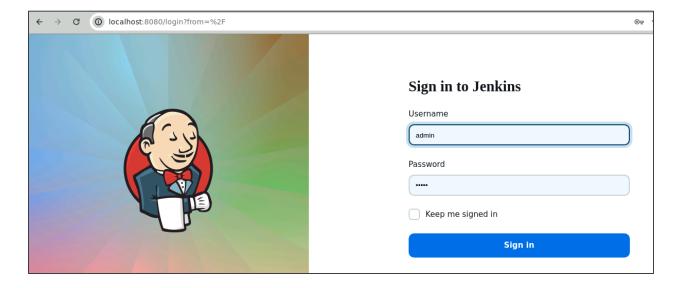
Steps to be followed:

1. Create new credentials in Jenkins for Git configuration

- 2. Create a Jenkins freestyle project
- 3. Configure Git in Jenkins

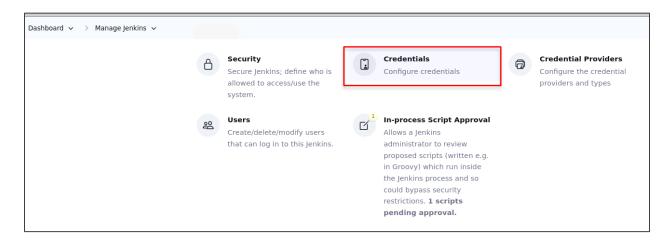
Step 1: Create new credentials in Jenkins for Git configuration

1.1 Log in to Jenkins using credentials

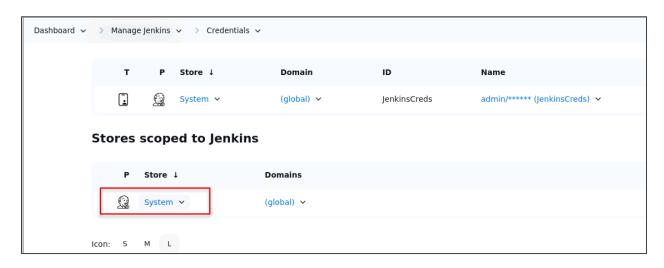


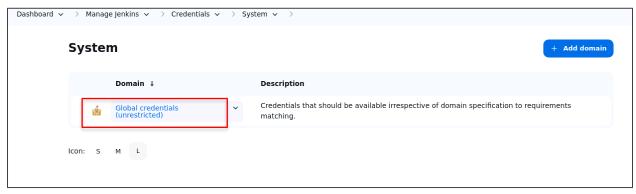
Note: The credentials for accessing Jenkins in the lab are Username: **admin** and Password: **Root123\$**.

1.2 Navigate to Manage Jenkins and click on Credentials



1.3 Click on System under Stores scoped to Jenkins and then click on Global credentials

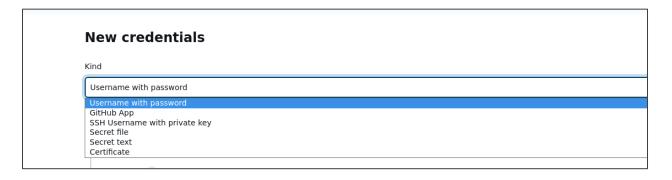




1.4 Click on + Add Credentials



1.5 Under Kind, select the Username with password option

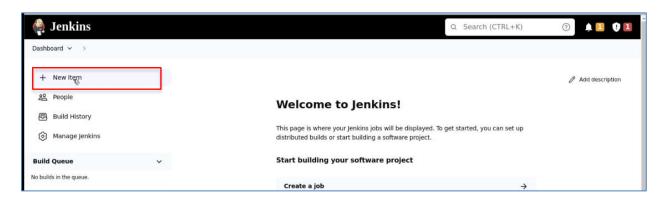


1.6 Add your GitHub Username and Password, assign Project as the ID, and click on Create

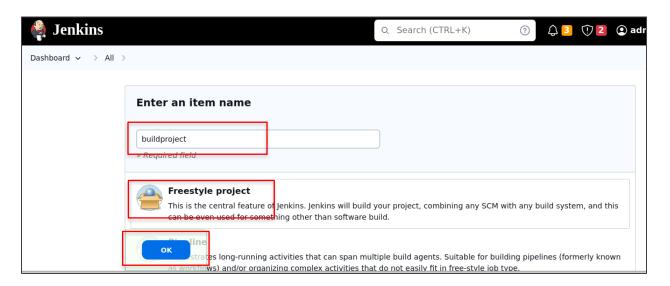


Step 2: Create a Jenkins freestyle project

2.1 On the Jenkins dashboard, click on + New Item

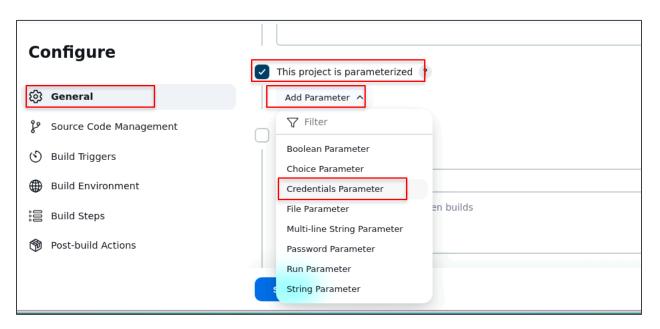


2.2 Enter the project name as **buildproject**, select the **Freestyle project** option, and click on **OK**

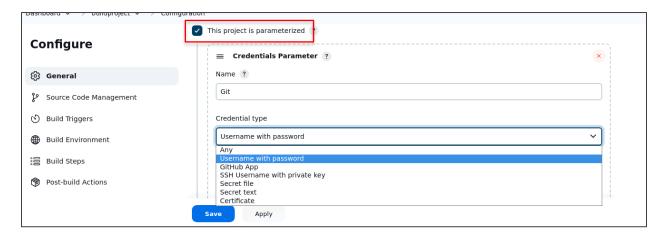


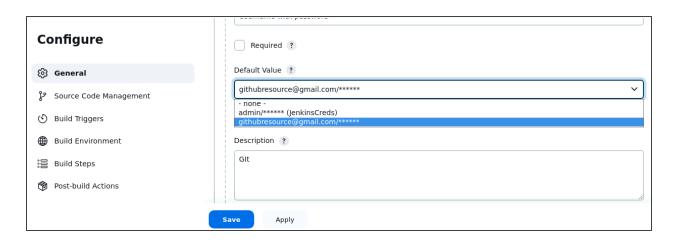
Step 3: Configure Git in Jenkins

3.1 Navigate to the **General** section, select **This project is parameterized**, click on **Add Parameter**, and select **Credentials Parameter**

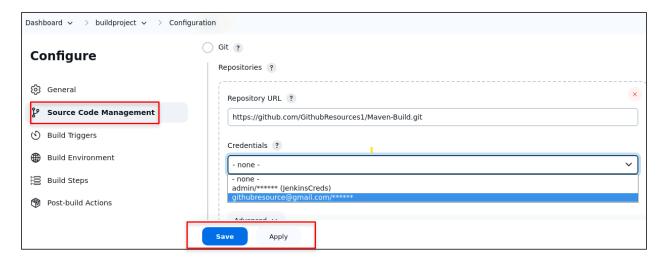


3.2 Add Name as Git, select Username with password as the Credential type, and then choose your created credentials as the Default value

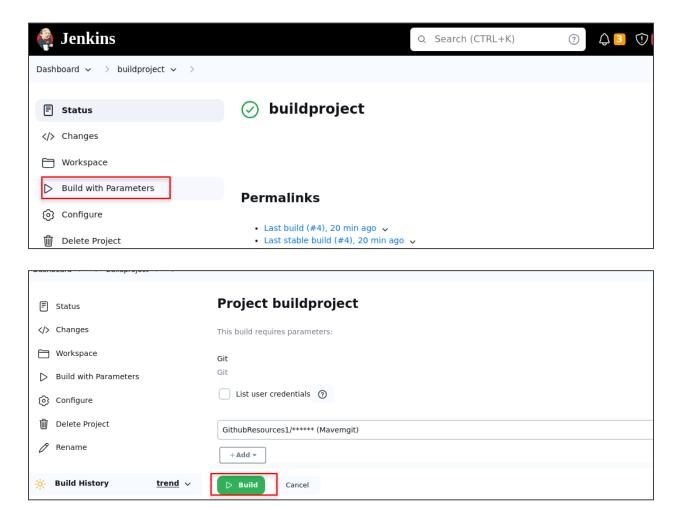




3.3 Navigate to the **Source Code Management** section, provide the GitHub **Repository URL**, select the added GitHub credentials, and click **Apply** and **Save**



3.4 In the Jenkins dashboard, click on **Build with Parameters** under the **Status**, then click on **Build**



3.5 Click on Console Output to see the output





You can see the output.

By following these steps, you have successfully configured Git in Jenkins enabling streamlined version control and automated build processes.