**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. Log in to Jenkins using credentials



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

1. Navigate to **Manage Jenkins** and click on **Credentials**

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1. Click on **System** under **Stores scoped to Jenkins** and then click on **Global credentials**

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1. Click on **+** **Add Credentials**

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1. Under **Kind**, select the **Username with password** option

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1. Add your GitHub **Username** and **Password**, assign **Project** as the **ID**,and click on **Create**

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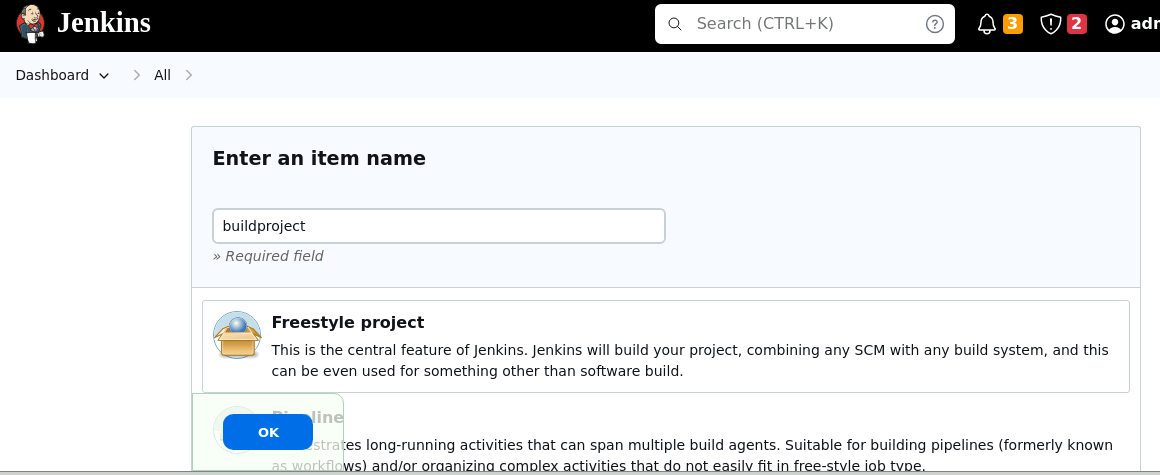
**Step 2:** **Create a Jenkins freestyle project**

* 1. On the Jenkins dashboard, click on **+ New Item**

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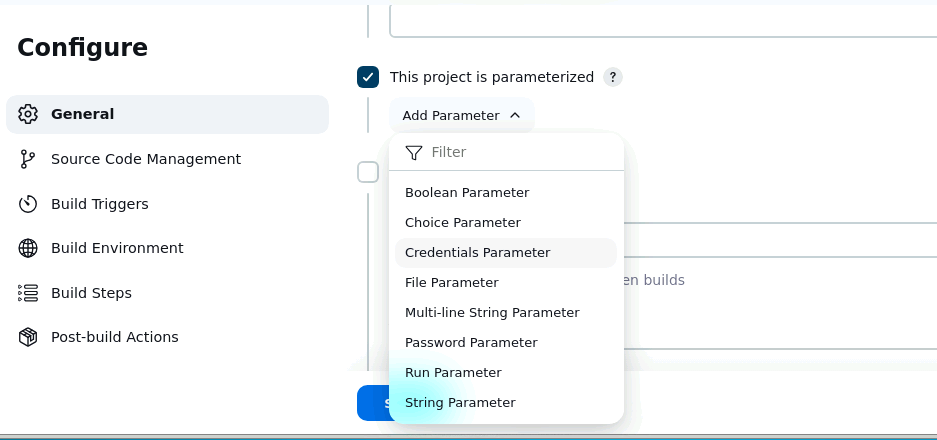
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* 1. Enter the project name as **buildproject**, select the **Freestyle project** option, and click on **OK**

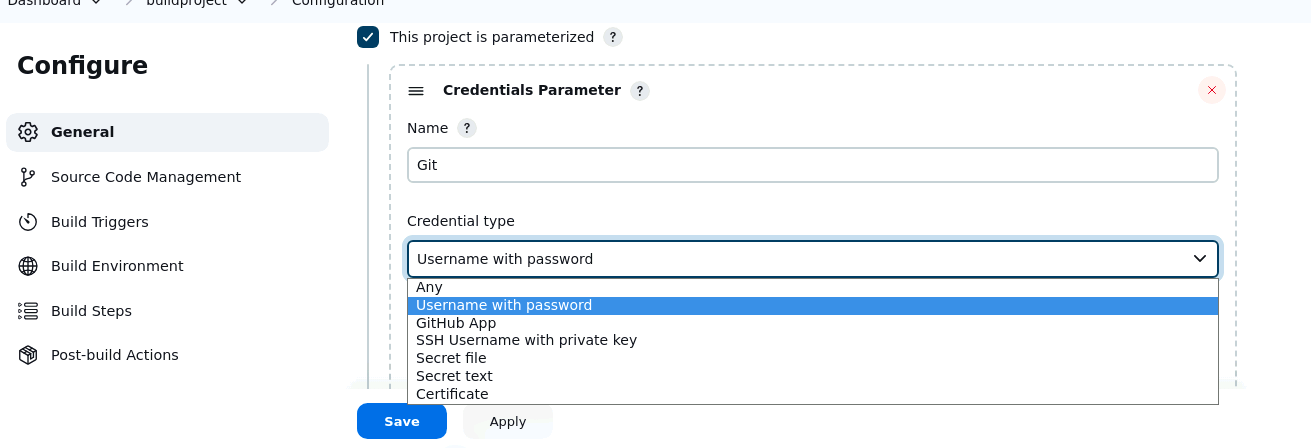


**Step 3:** **Configure Git in Jenkins**

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

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

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

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

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* 1. Click on **Console Output** to see the output

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You can see the output.

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