

Lesson 05 Demo 02

Integrating Git with Jenkins

Objective: To automate code building and testing with continuous integration, streamline version control, foster collaborative development, and ensure seamless deployment embodying modern CI/CD practices in software development

Tools required: Git and Jenkins

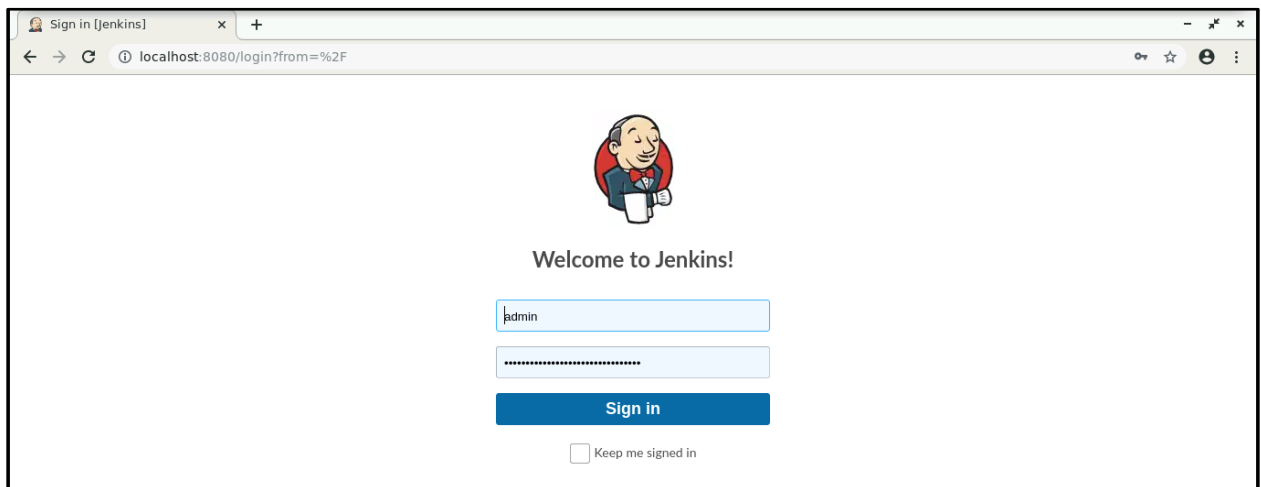
Prerequisites: You need to have Jenkins installed to proceed with this demo. If you do not have Jenkins installed, please refer to Demo 1 of Lesson 5.

Steps to be followed:

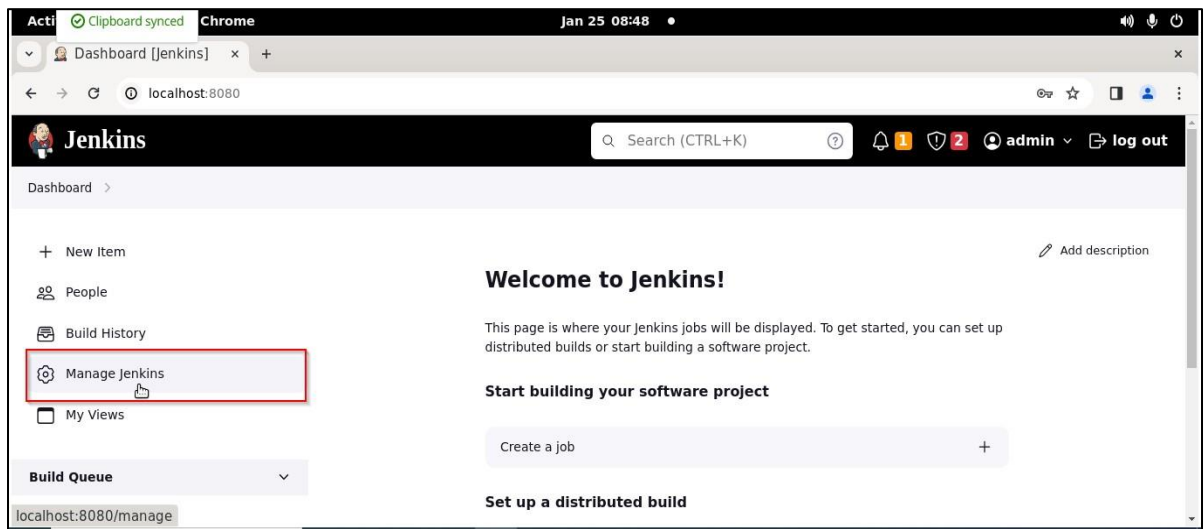
1. Install Git plugin

Step 1: Install Git plugin

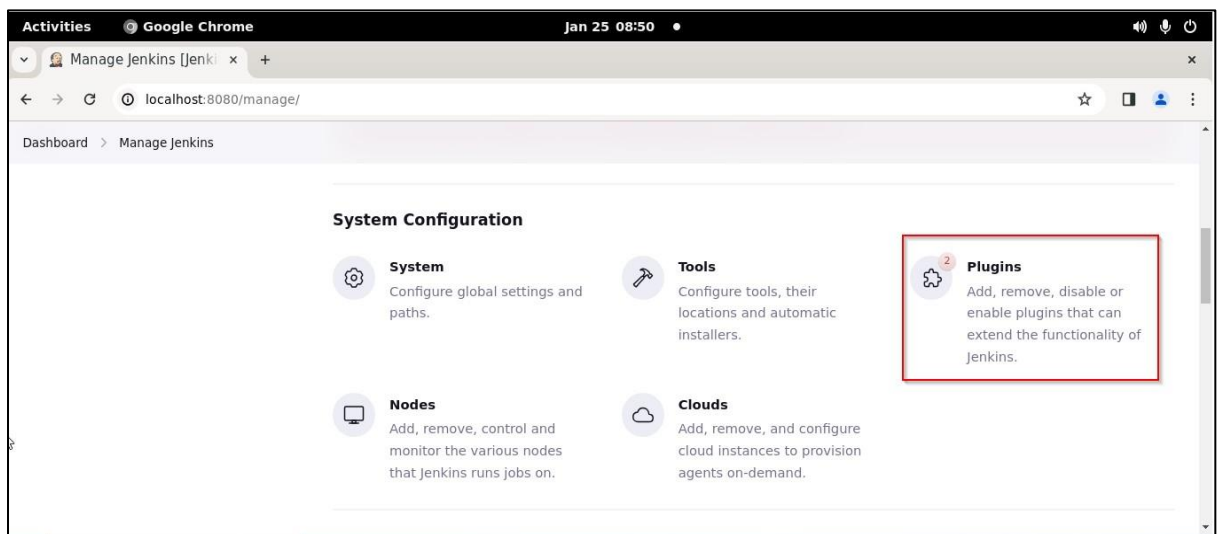
- 1.1 Open the browser, go to the Jenkins dashboard by typing **localhost:8080** in your browser, provide the credentials, and click the on **Sign in** button



1.2 Click on the **Manage Jenkins** option as shown in the screenshot below:



1.3 Click on the **Plugins** option as shown in the screenshot below:

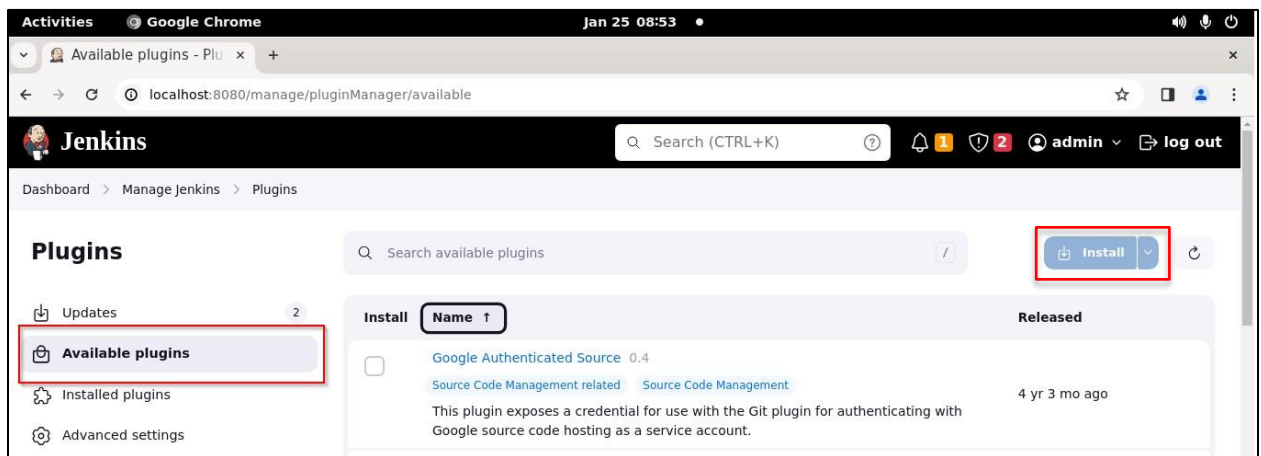


1.4 Click on the **Installed plugins** option and check whether the **Git plugin** is installed as shown in the screenshot below:



Note: Git plugin will be pre-installed; if not, then follow the next step.

1.5 Click on the **Available plugins** as shown in the screenshot below, search for **Git plugins**, and click on **Install**



Note: After installing **Git plugins**, it will be reflected under **Installed plugins**.

By following these steps, you have successfully integrated Git with Jenkins to automate code building and testing with continuous integration.