# Lab Exercise 7
# Integrating Maven with Jenkins

**Objective:** To install the Maven plugin in Jenkins for smooth integration and automation of Maven-based build processes within the Jenkins environment

**Tools required:** Git, GitHub, and Jenkins

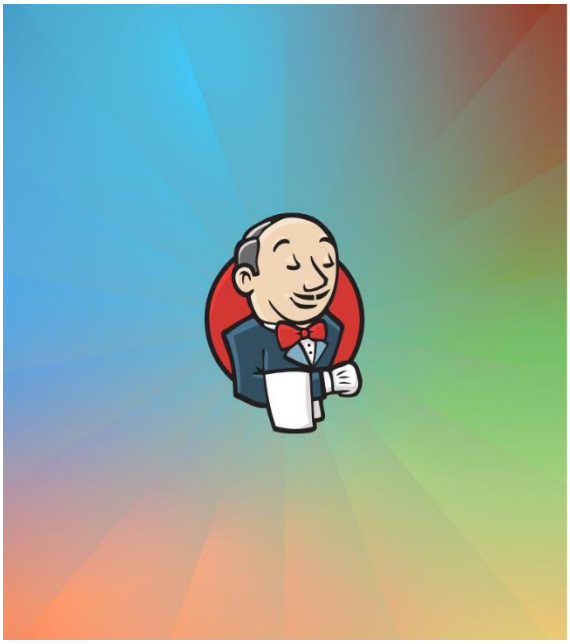
**Prerequisites:** None

Steps to be followed:

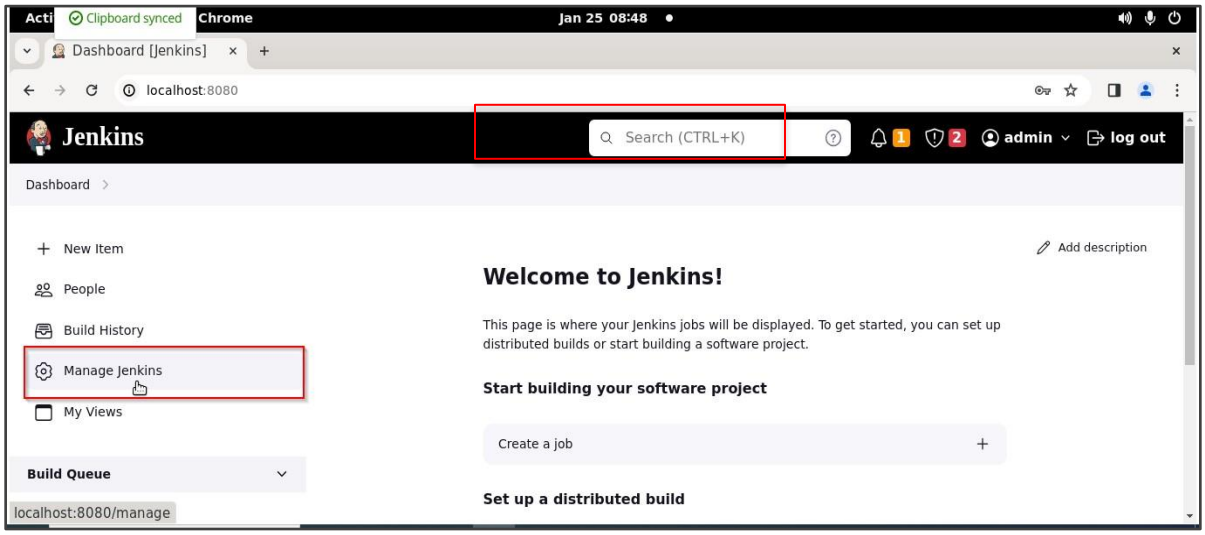
1. Install the Maven plugin
2. Set up Global Tool Configuration
3. Fork a sample repository
4. Integrate Maven with Jenkins

## Step 1: Install the Maven plugin

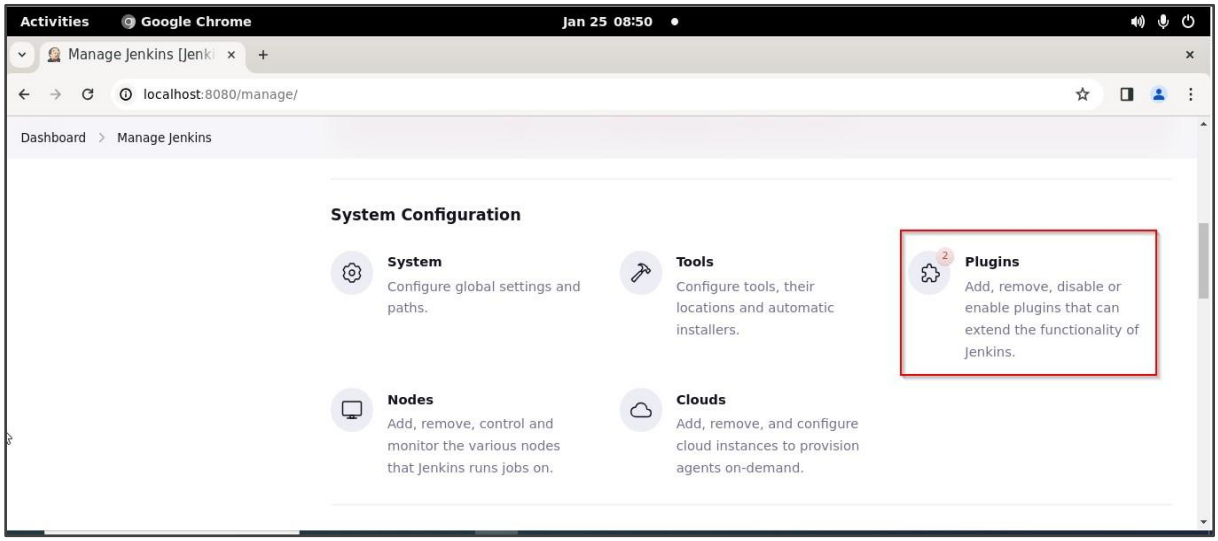
1.1 Open the browser, go to the Jenkins Dashboard by typing **localhost:8080** in your browser, provide the credentials, and click the **Sign in** button



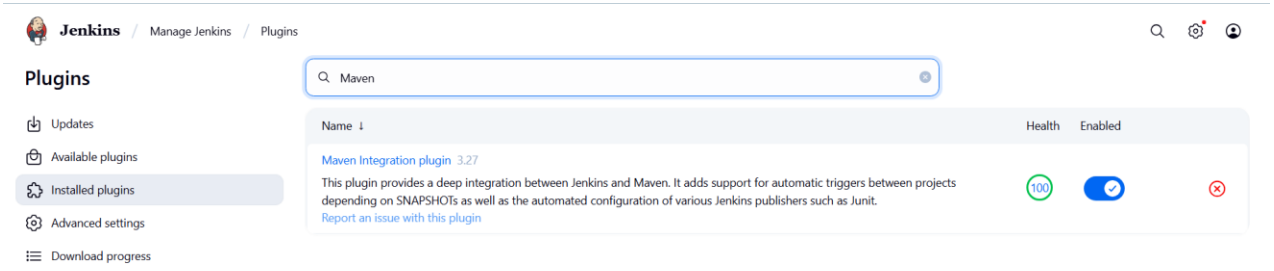
1.2 Click on the **Manage Jenkins** option as shown in the screenshot below:




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

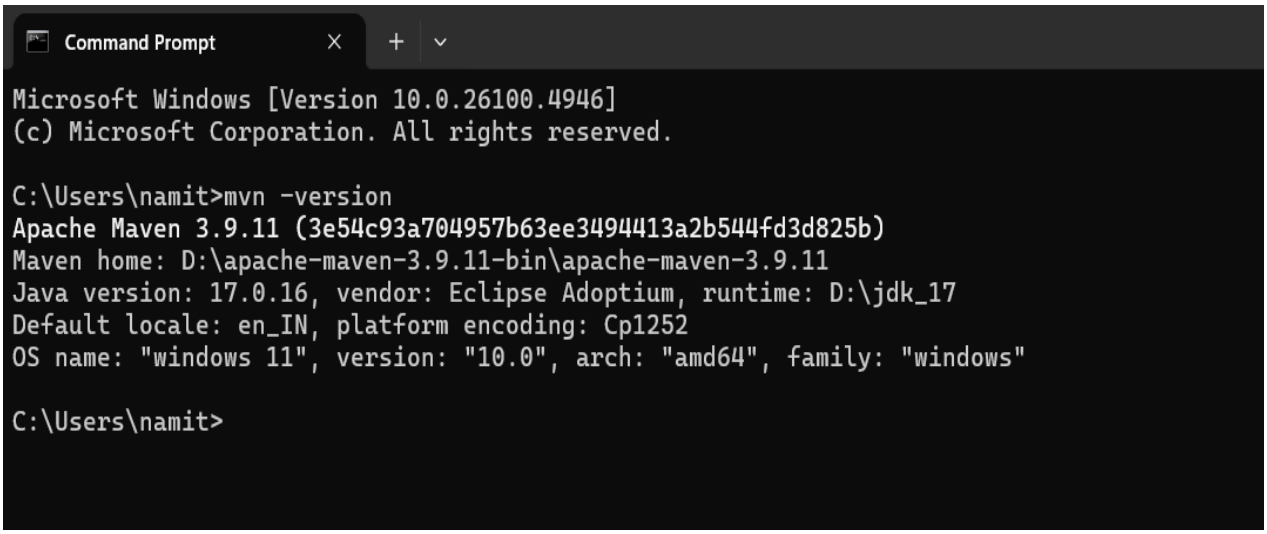


1.4 Click on **Installed plugins** to verify whether the **Maven Integration plugin** has been installed



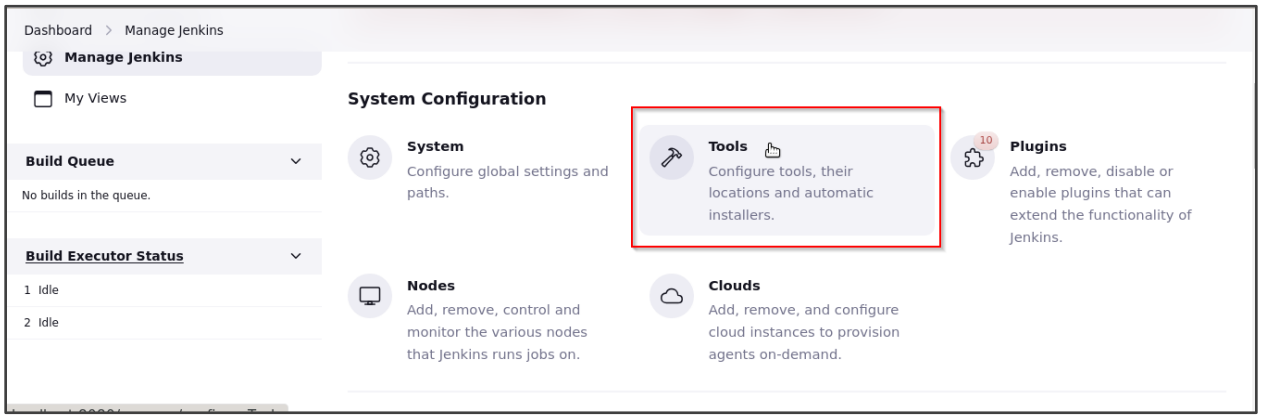

**Note**: Maven is already installed in your practice lab environment. If not, click on **Available plugins**, search for the Maven Integration plugin, and install it.

1.5 Use the following command to check the Maven version:
**mvn -version**



## Step 2: Set up Global Tool Configuration

2.1 Go to the Jenkins Dashboard, click on **Manage Jenkins**, and then select **Tools** from the list of options




2.2 To configure Maven, click on the **Maven installations** button in the Maven section and enter a **Name** and **MAVEN_HOME** path

Jenkins / Manage Jenkins / Tools

Ant installations

Add Ant

Maven installations

Add Maven

**Maven**

Name

MAVEN_HOME

MAVEN_HOME

D:\apache-maven-3.9.11-bin\apache-maven-3.9.11

Install automatically ?

Add Maven

Save Apply