

Lesson 05 Demo 03

Updating Jenkins Plugin Manager Configuration

Objective: To configure Jenkins plugin manager to fetch updates for enhanced functionality and security

Tools required: Jenkins

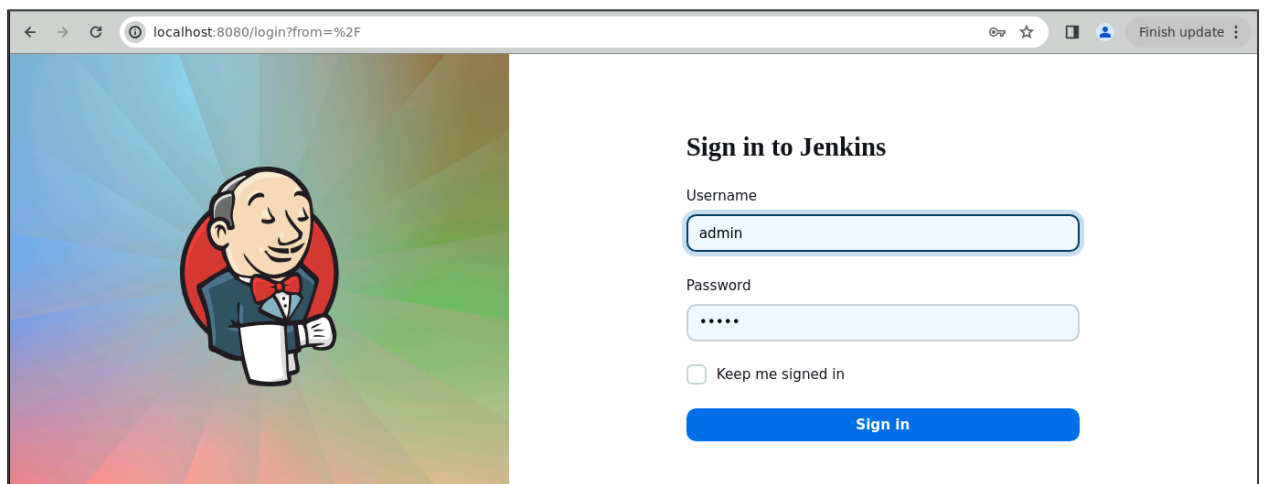
Prerequisites: You need to have a Jenkins up and running.

Steps to be followed:

1. Log in to Jenkins CI tool
2. Configure plugin manager update website

Step 1: Log in to Jenkins CI tool

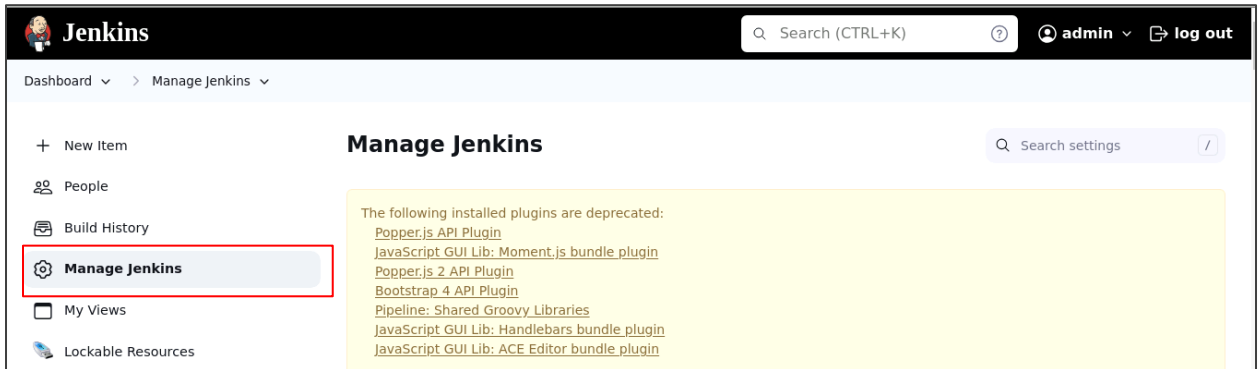
- 1.1 Navigate to **localhost:8080** in your web browser, enter your credentials, and **Sign in** to the **Jenkins Dashboard**



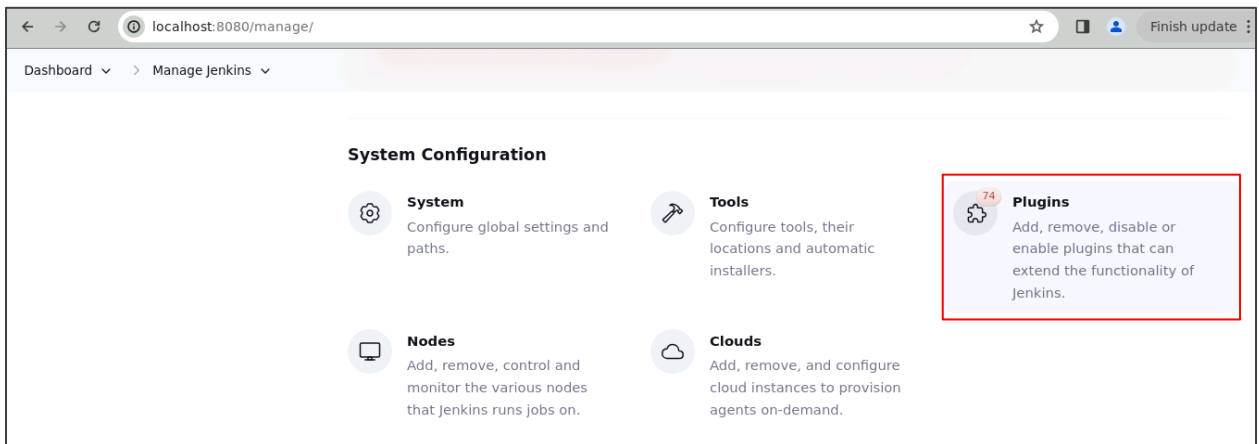
Note: The credentials for accessing Jenkins in the lab are Username: **admin** and Password: **Root123\$**.

Step 2: Configure plugin manager update website

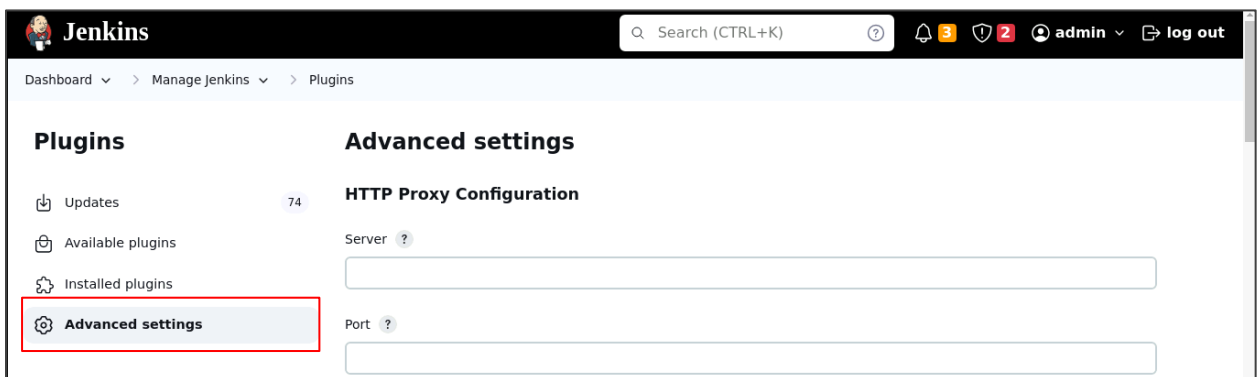
2.1 Click on **Manage Jenkins** on the Jenkins dashboard



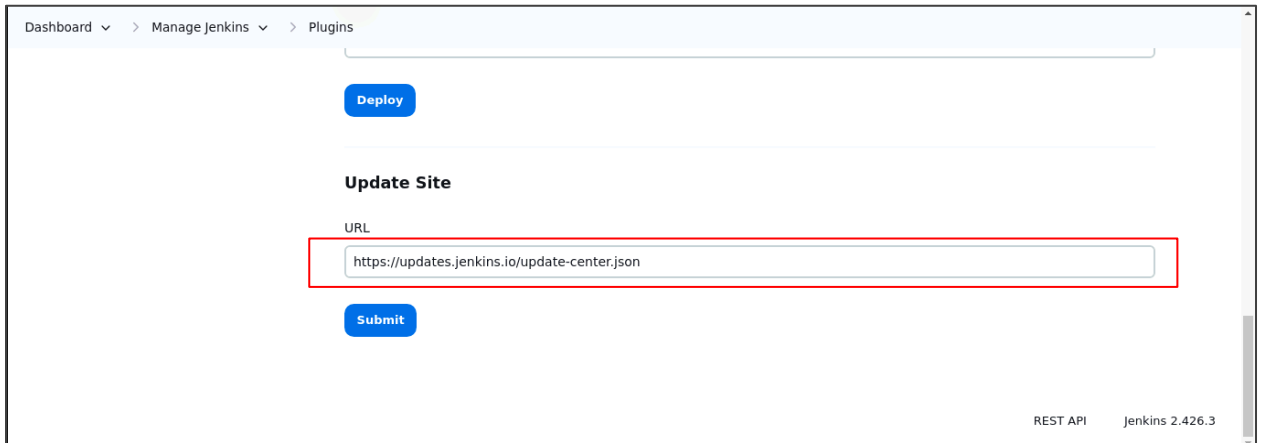
2.2 Scroll down and click on **Plugins** under **System Configuration**



2.3 Inside the **Plugin**, navigate to the **Advanced settings** tab

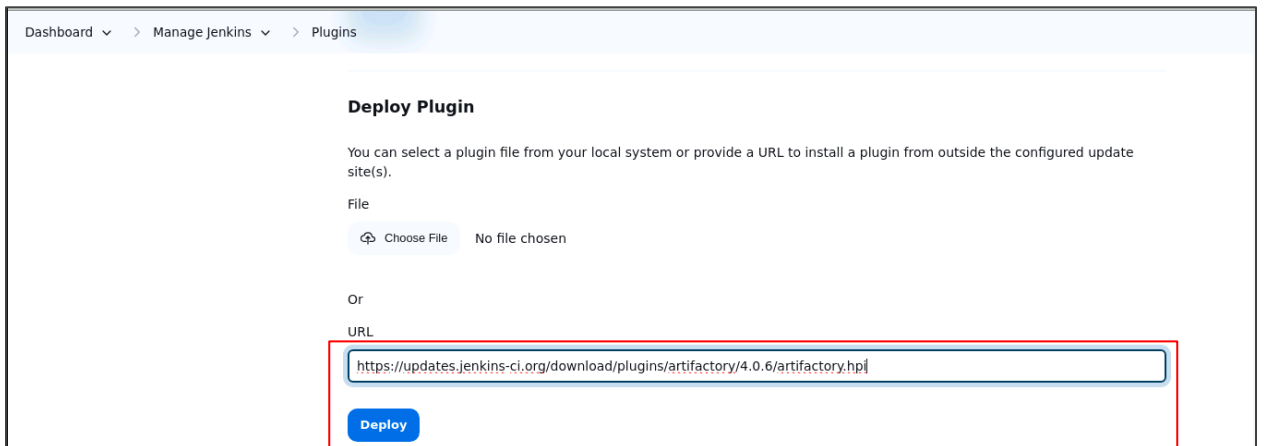


2.4 Scroll down, look for **Update Site**, and then enter the **URL**
<https://updates.jenkins.io/update-center.json>



The screenshot shows the Jenkins 'Update Site' configuration page. The breadcrumb navigation at the top reads 'Dashboard > Manage Jenkins > Plugins'. Below this is a 'Deploy' button. The 'Update Site' section contains a 'URL' label and a text input field containing the URL 'https://updates.jenkins.io/update-center.json'. A red rectangular box highlights the input field. Below the input field is a 'Submit' button. At the bottom right of the page, the text 'REST API' and 'Jenkins 2.426.3' are visible.

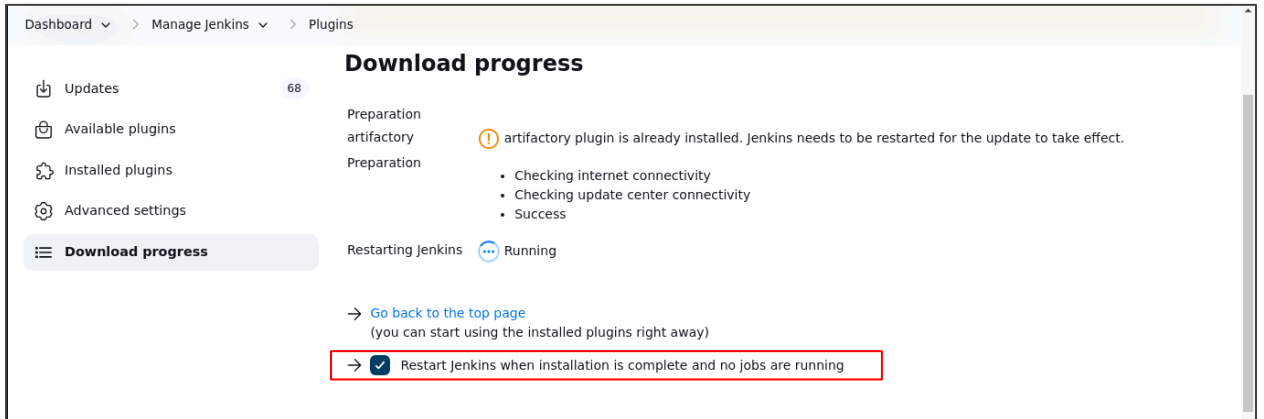
2.5 Scroll down, look for **Deploy Plugin**, and then enter the **URL**
<https://updates.jenkins-ci.org/download/plugins/artifactory/4.0.6/artifactory.hpi>



The screenshot shows the Jenkins 'Deploy Plugin' configuration page. The breadcrumb navigation at the top reads 'Dashboard > Manage Jenkins > Plugins'. Below this is a 'Deploy Plugin' section. It contains the text: 'You can select a plugin file from your local system or provide a URL to install a plugin from outside the configured update site(s)'. Under the 'File' section, there is a 'Choose File' button and the text 'No file chosen'. Below this, under the 'URL' section, there is a text input field containing the URL 'https://updates.jenkins-ci.org/download/plugins/artifactory/4.0.6/artifactory.hpi'. A red rectangular box highlights the input field. Below the input field is a 'Deploy' button.

Note: Here, we are updating plugin to the latest version, that is, 4.0.6 as mentioned in the **URL**.

2.6 Once the plugin is installed, click on the check box to restart Jenkins to activate it



The screenshot shows the 'Download progress' page in Jenkins. The left sidebar has a menu with 'Updates' (68), 'Available plugins', 'Installed plugins', 'Advanced settings', and 'Download progress' (selected). The main content area shows the progress of downloading the 'artifactory' plugin. It indicates that the plugin is already installed and that Jenkins needs to be restarted for the update to take effect. A red box highlights the checkbox 'Restart Jenkins when installation is complete and no jobs are running'.

Dashboard > Manage Jenkins > Plugins

Download progress

Updates 68

Available plugins

Installed plugins

Advanced settings

Download progress

Preparation

artifactory

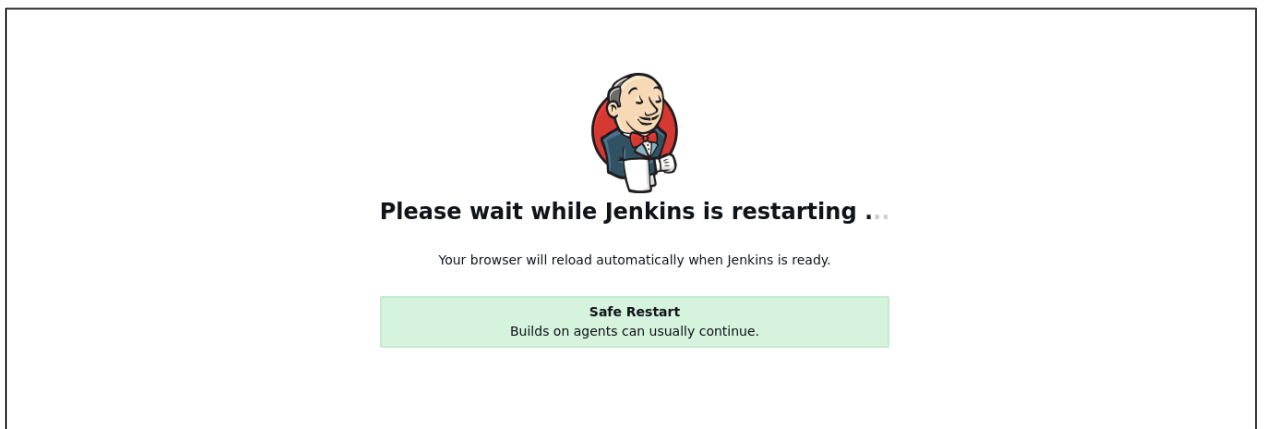
Preparation

- artifactory plugin is already installed. Jenkins needs to be restarted for the update to take effect.
- Checking internet connectivity
- Checking update center connectivity
- Success

Restarting Jenkins Running

→ [Go back to the top page](#)
(you can start using the installed plugins right away)

→ ☒ Restart Jenkins when installation is complete and no jobs are running



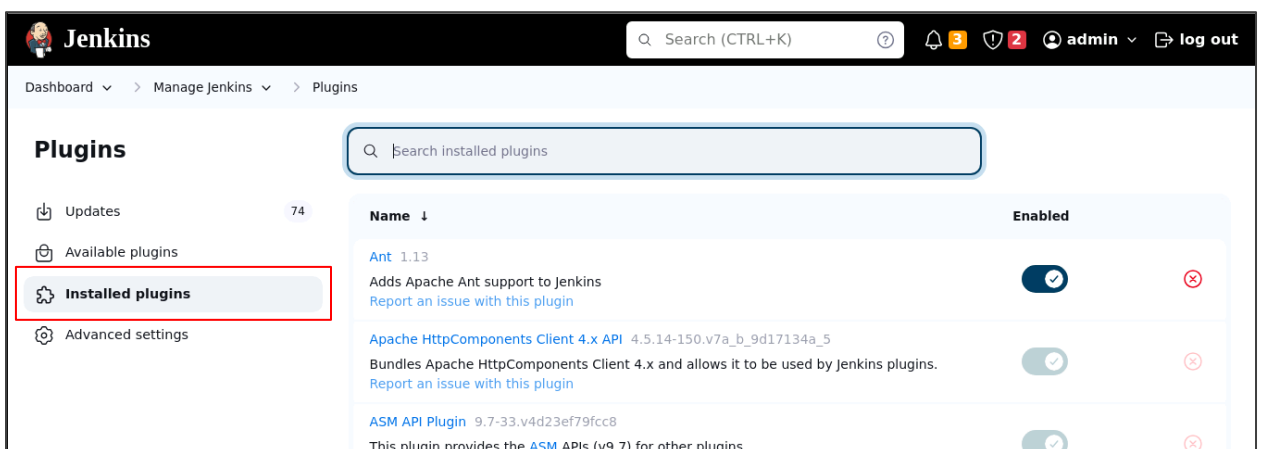
The screenshot shows the 'Please wait while Jenkins is restarting' page. It features the Jenkins logo and a message stating 'Please wait while Jenkins is restarting ...'. Below the message, it says 'Your browser will reload automatically when Jenkins is ready.' and a green button labeled 'Safe Restart' with the text 'Builds on agents can usually continue.'

Please wait while Jenkins is restarting ...

Your browser will reload automatically when Jenkins is ready.

Safe Restart
Builds on agents can usually continue.

2.7 Check the **Installed plugins** tab to verify if the updated plugin is listed among the installed plugins



The screenshot shows the 'Installed plugins' page in Jenkins. The left sidebar has a menu with 'Updates' (74), 'Available plugins', 'Installed plugins' (selected), and 'Advanced settings'. The main content area shows a list of installed plugins with columns for 'Name' and 'Enabled'. The 'Installed plugins' tab is highlighted with a red box.

Jenkins

Search (CTRL+K)

Dashboard > Manage Jenkins > Plugins

Plugins

Search installed plugins

Updates 74

Available plugins

Installed plugins


Advanced settings



Name ↓	Enabled
Ant 1.13 Adds Apache Ant support to Jenkins Report an issue with this plugin	<input checked="" type="checkbox"/>
Apache HttpComponents Client 4.x API 4.5.14-150.v7a_b_9d17134a_5 Bundles Apache HttpComponents Client 4.x and allows it to be used by Jenkins plugins. Report an issue with this plugin	<input checked="" type="checkbox"/>
ASM API Plugin 9.7-33.v4d23ef79fcc8 This plugin provides the ASM APIs (v9.7) for other plugins.	<input checked="" type="checkbox"/>

Artifactory Plugin 4.0.6

This plugin allows your build jobs to deploy artifacts and resolve dependencies to and from Artifactory, and then have them linked to the build job that created them. The plugin includes a vast collection of features, including a rich pipeline API library and release management for Maven and Gradle builds with Staging and Promotion.

[Report an issue with this plugin](#)



 4.0.6 

You can see that the version of the plugin is now updated and the version is 4.0.6.

By following these steps, you have successfully configured the Jenkins plugin manager to fetch updates for enhanced functionality and security.