

Lesson 05 Demo 01

Implementing Job Import Plugin

Objective: To install the job import plugin for importing jobs from an existing Jenkins instance, streamlining job management, and enhancing productivity

Tools required: Jenkins

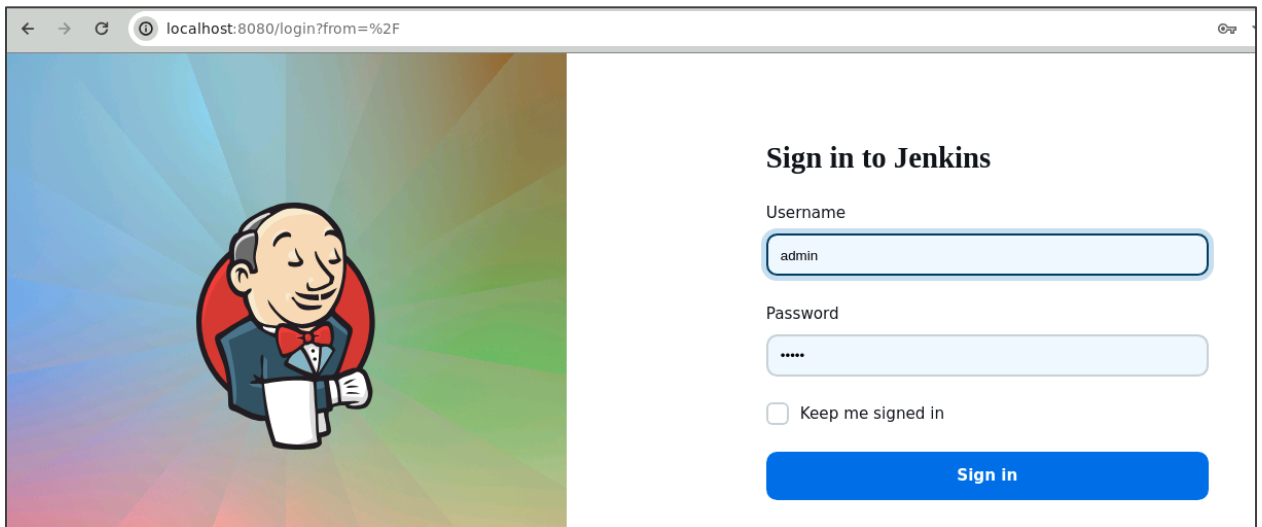
Prerequisites: Jenkins must be operational.

Steps to be followed:

1. Install the job import plugin in Jenkins
2. Configure the job import plugin
3. Access the job import plugin

Step 1: Install the job import plugin in Jenkins

1.1 Sign in to the Jenkins platform

A screenshot of a web browser window showing the Jenkins login page. The browser's address bar displays 'localhost:8080/login?from=%2F'. The page features a large illustration of the Jenkins mascot, a blue robot with a red bow tie, on the left. On the right, there is a 'Sign in to Jenkins' section with a 'Username' field containing 'admin', a 'Password' field with masked characters, a 'Keep me signed in' checkbox, and a blue 'Sign in' button.

← → ↻ 🔍 localhost:8080/login?from=%2F

Sign in to Jenkins

Username
admin

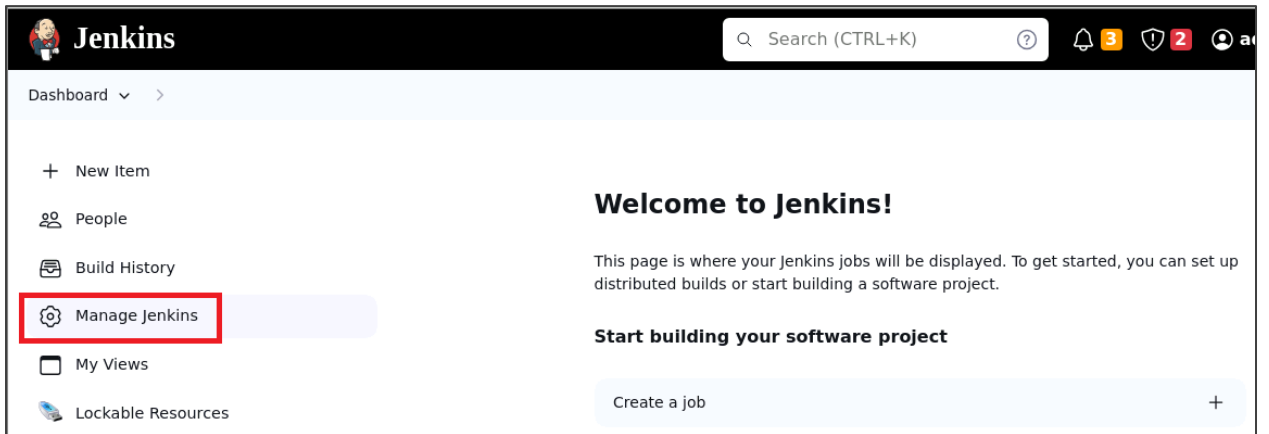
Password
.....

☐ Keep me signed in

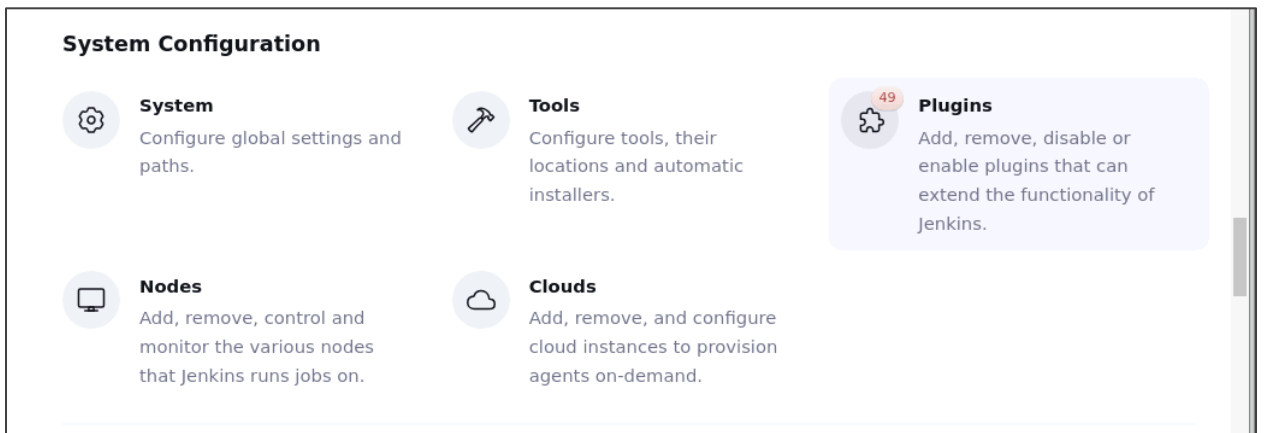
Sign in

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

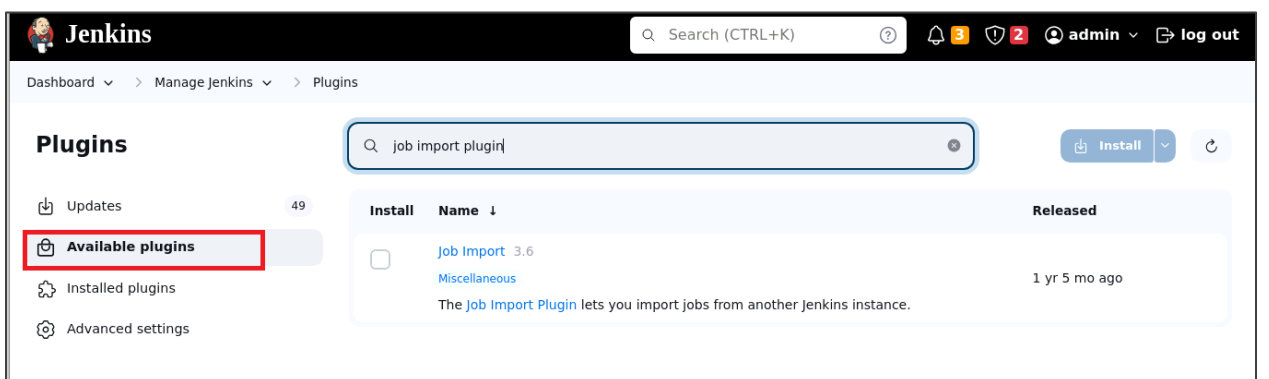
1.2 Select Manage Jenkins



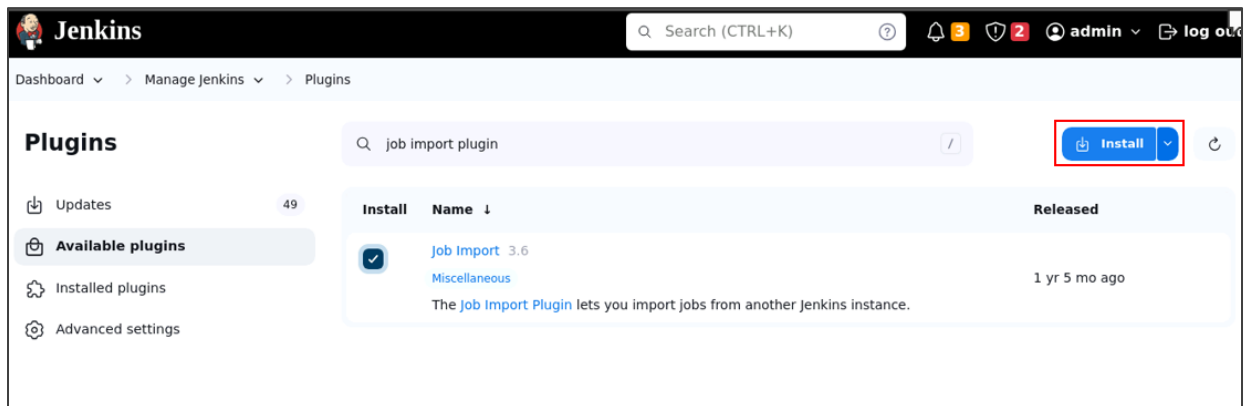
1.3 Now, click on Plugins under System Configuration



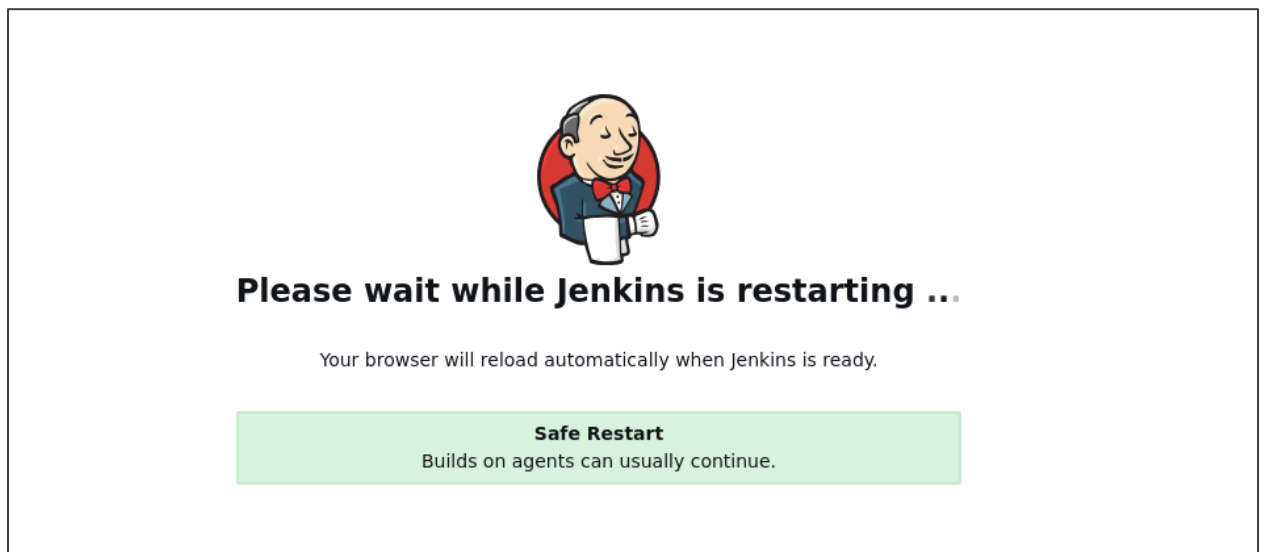
1.4 In the Available plugins tab, search for the Job import plugin



1.5 Select it and click on **Install**



The screenshot shows the Jenkins web interface. At the top, the Jenkins logo and a search bar are visible. Below the navigation bar, the 'Plugins' section is active. A search bar contains the text 'job import plugin'. To the right of the search bar, there is a blue 'Install' button with a dropdown arrow, which is highlighted with a red rectangle. On the left side, under 'Available plugins', the 'Job Import' plugin is listed with a checkmark in the 'Install' column. The 'Released' column shows '1 yr 5 mo ago'. The description for the 'Job Import' plugin is visible: 'The Job Import Plugin lets you import jobs from another Jenkins instance.'

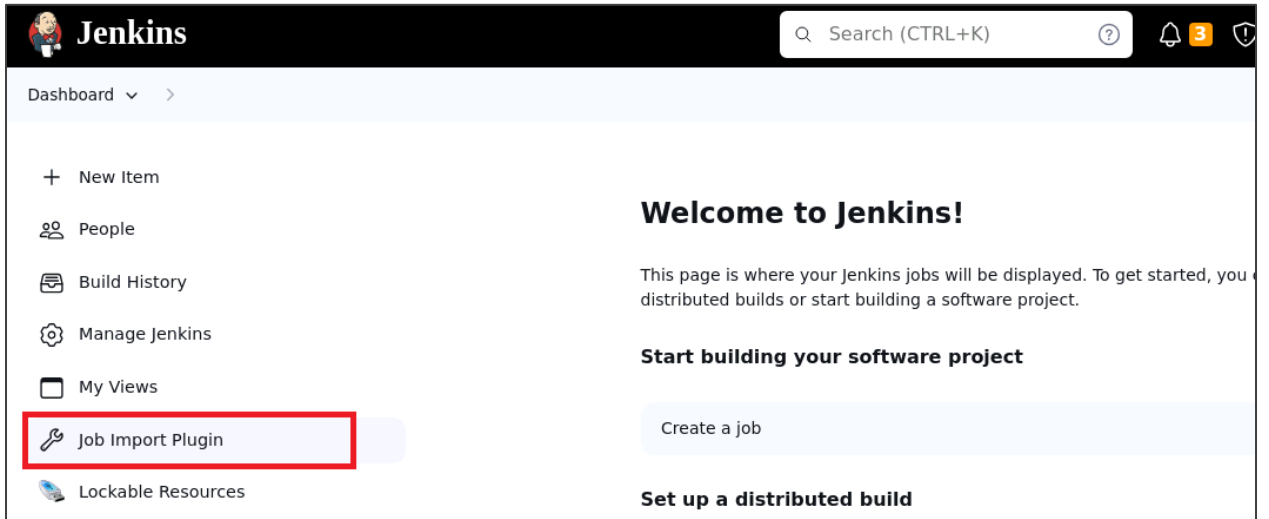


The screenshot shows a Jenkins restart screen. At the top, there is a cartoon character of a man in a suit and bow tie. Below the character, the text reads: 'Please wait while Jenkins is restarting ...'. Underneath this, it says: 'Your browser will reload automatically when Jenkins is ready.' At the bottom, there is a green box with the text: 'Safe Restart' and 'Builds on agents can usually continue.'

Once the plugin is installed, restart Jenkins to activate the plugin in Jenkins.

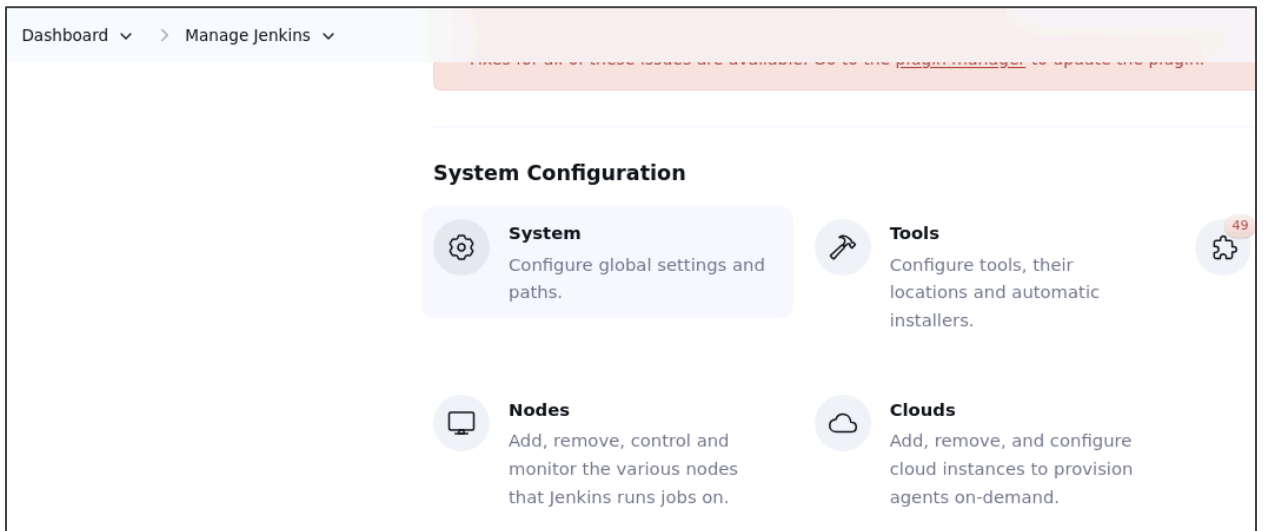
Step 2: Configure the job import plugin

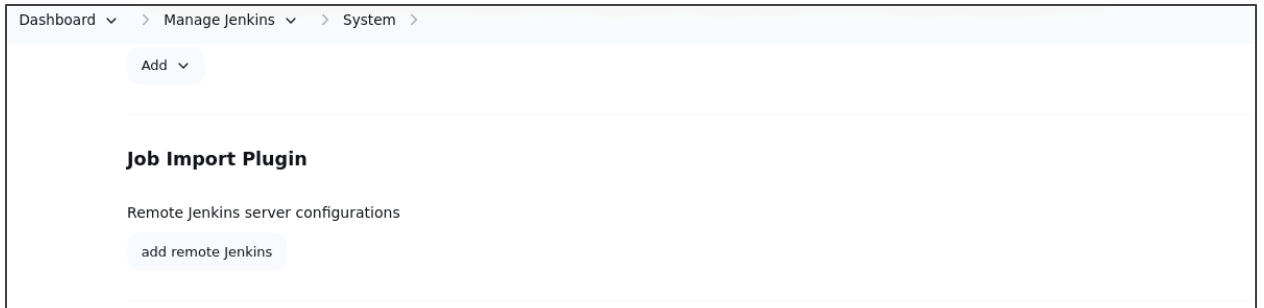
2.1 Navigate to the Jenkins dashboard and select the **Job Import Plugin** option to access the plugin



Before using this feature, configure the source Jenkins server from which you can import the Jenkins job.

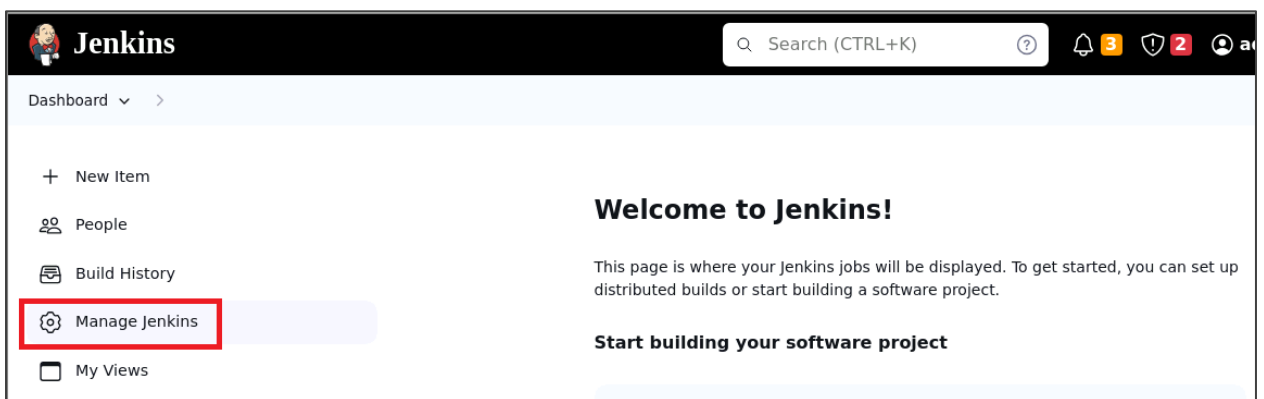
2.2 Now, navigate to **Manage Jenkins** and click on **System** under **System Configuration**



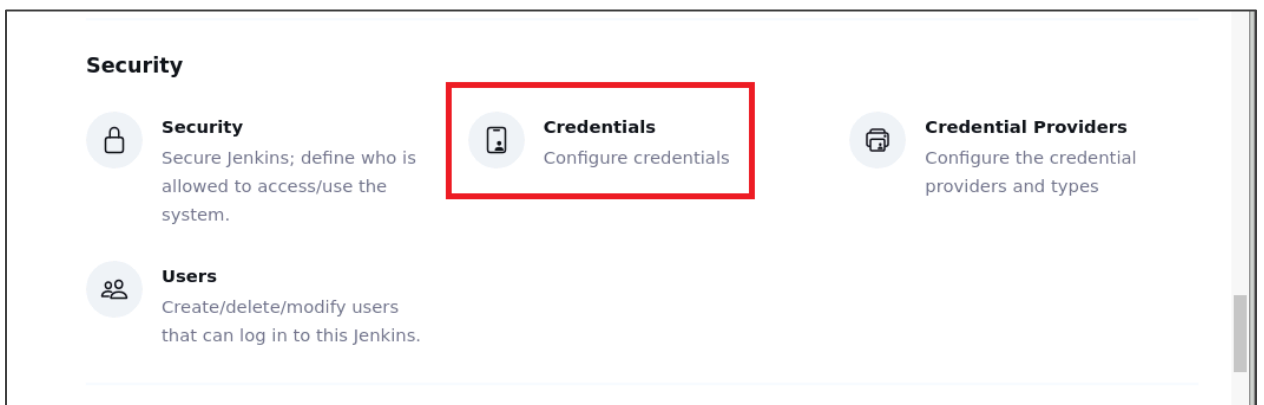


You can see a **Job Import Plugin** section for configuration.

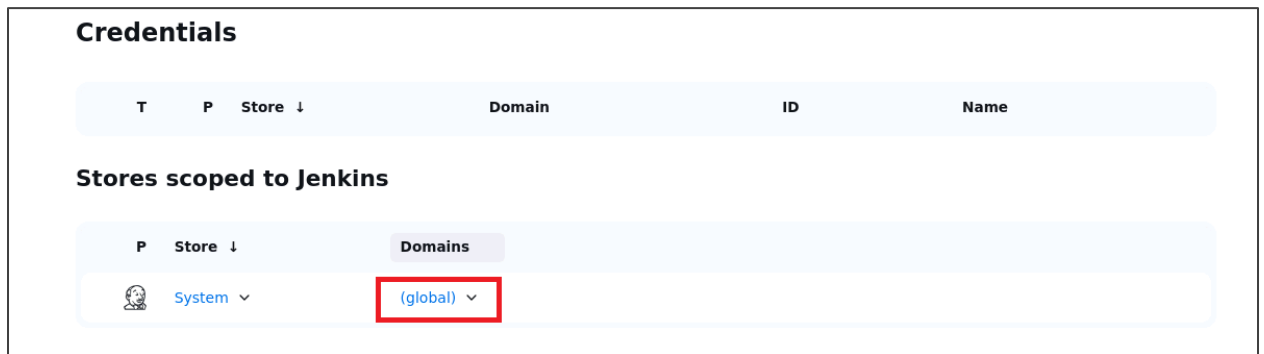
2.3 Now, navigate back to **Manage Jenkins** in the Jenkins dashboard



2.4 Select **Credentials** under the **Security** section



2.5 Select the Jenkins job scope as **global** to create global credentials for the Jenkins job



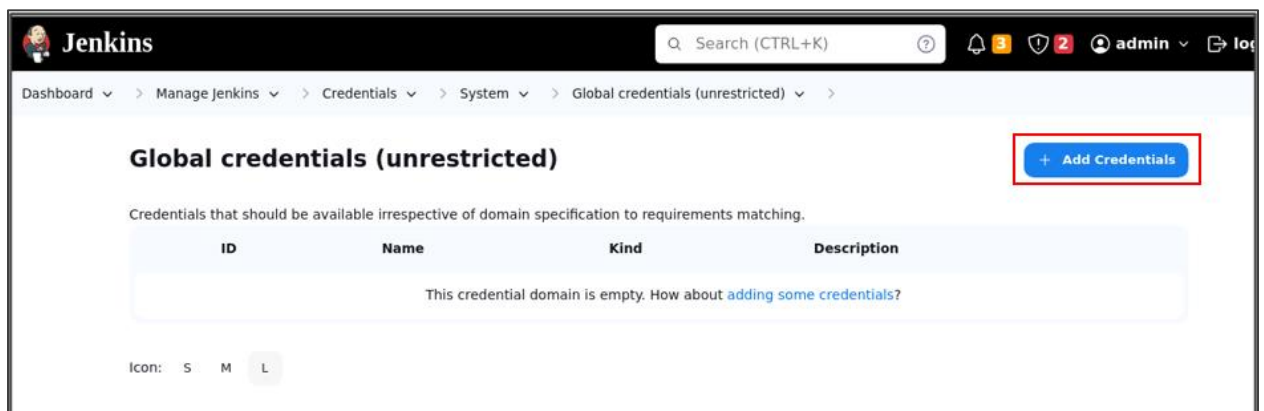
Credentials

T	P	Store ↓	Domain	ID	Name
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Stores scoped to Jenkins

P	Store ↓	Domains
	System ↓	(global) ↓

2.6 Click on **Add credentials** to add new Jenkins credentials



Jenkins

Search (CTRL+K)

Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted)

Global credentials (unrestricted)

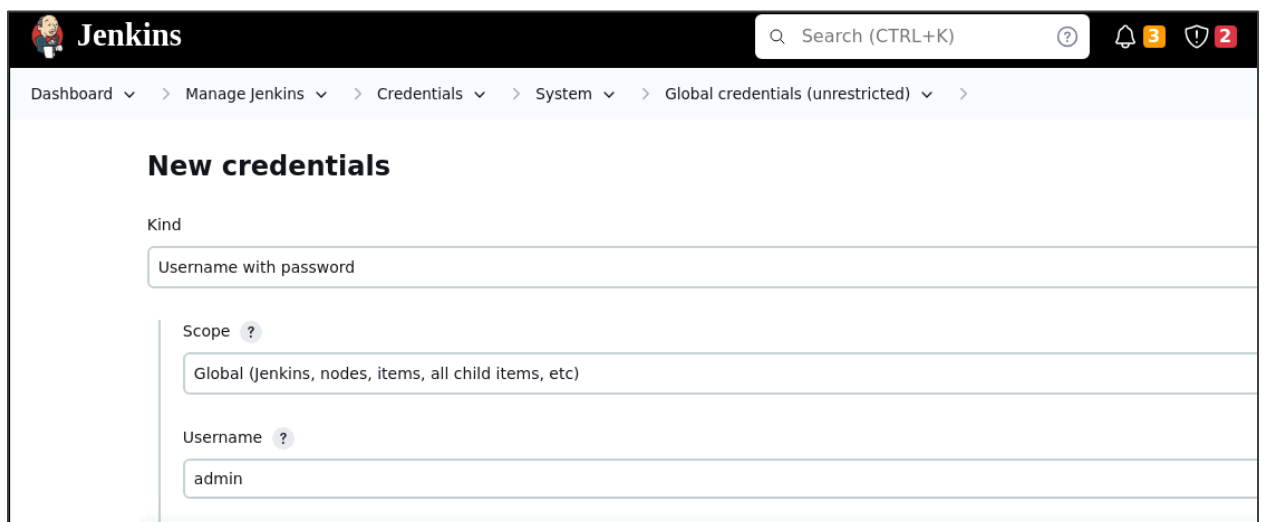
+ Add Credentials

Credentials that should be available irrespective of domain specification to requirements matching.

ID	Name	Kind	Description
This credential domain is empty. How about adding some credentials?			

Icon: S M L

2.7 Provide the details like username and password and click on **Create**



Jenkins

Search (CTRL+K)

Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted)

New credentials

Kind

Username with password

Scope ?

Global (Jenkins, nodes, items, all child items, etc)

Username ?

admin

Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted)

Username ?
admin

☐ Treat username as secret ?

Password ?

ID ?
jenkinsCreds

Description ?
jenkinsCreds

Create

2.8 Now navigate back to the **Manage Jenkins** page and click on **System** under **System Configuration**

Dashboard > Manage Jenkins

System Configuration

- System**
Configure global settings and paths.
- Tools**
Configure tools, their locations and automatic installers.
- Nodes**
Add, remove, control and monitor the various nodes that Jenkins runs jobs on.
- Clouds**
Add, remove, and configure cloud instances to provision agents on-demand.

2.9 Scroll down to the **Job Import Plugin** section, provide the **Jenkins server name**, **URL**, and **credentials** to connect with the existing Jenkins job, and click on **Save**

Dashboard > Manage Jenkins > System

Job Import Plugin

Remote Jenkins server configurations

Remote Jenkins

Name
Jenkins Server Name
jenkinsServer

Url
Jenkins Server Url
http://localhost:8080

Remote Jenkins

Name

Jenkins Server Name

jenkinsServer

Url

Jenkins Server Url

http //localhost:8080

Credentials

admin/***** (JenkinsCreds)

+ Add

Save

Apply

Step 3: Access the job import plugin

- 3.1 Once the remote Jenkins job is configured, click on the **Job Import Plugin** option to import the Jenkins job from the source Jenkins job

Jenkins

Search (CTRL+K)

Dashboard

New Item

People

Build History

Manage Jenkins

My Views

Job Import Plugin

Lockable Resources

Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can create distributed builds or start building a software project.

Start building your software project

Create a job

Set up a distributed build

Dashboard > Job Import Plugin

Job Import Plugin

The [Job Import Plugin](#) lets you import jobs from another Jenkins instance.

Remote Jenkins Instance Selection

Jenkins Server

jenkinsServer

Remote folder

☐ Search into folders

Query!

By following these steps, you have successfully installed the job import plugin for importing jobs from an existing Jenkins instance, streamlining job management, and enhancing productivity.