

Plugins in Jenkins

Plugins in Jenkins are add-ons or extensions that enhance its core functionality, enabling you to customize and extend Jenkins to suit your project's needs. Jenkins has a rich ecosystem of plugins, and they cover a wide range of functionalities, from integration with source control systems to automating testing, deployment, and monitoring.

Key Features of Jenkins Plugins:

1. **Modularity:** Plugins allow you to add specific features without bloating the Jenkins core.
2. **Customization:** You can tailor Jenkins to your workflow by installing only the plugins you need.
3. **Integration:** They enable Jenkins to work seamlessly with tools and platforms like Git, Docker, AWS, Kubernetes, and more.
4. **Automation:** Plugins can automate complex tasks, such as deploying applications or managing CI/CD pipelines.

Installing available plugin in Jenkins:

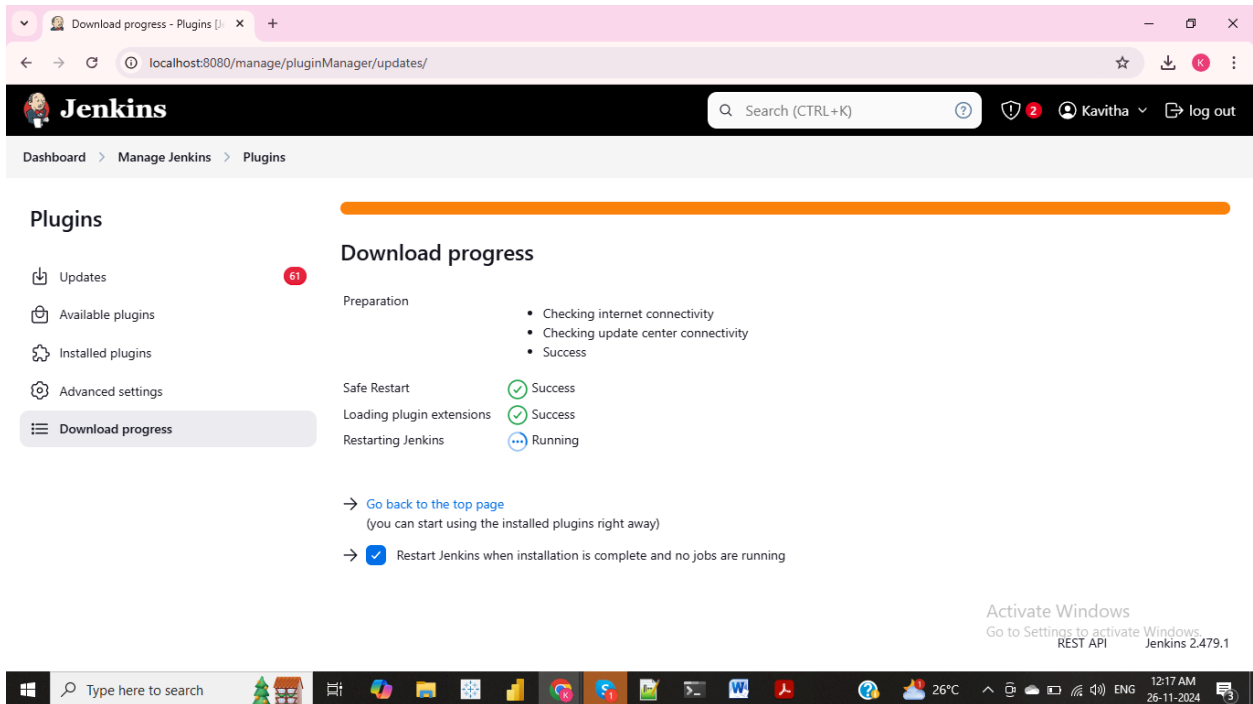
Go to Dashboard --Manage jenkins --Available plugin --search **Safe Restart** – Install

The screenshot shows the Jenkins web interface at localhost:8080. The breadcrumb trail is Dashboard > Manage Jenkins > Plugins. The 'Available plugins' section is active, showing a search bar with 'safe re' and an 'Install' button. A table lists available plugins:

Install	Name	Released
<input checked="" type="checkbox"/>	Safe Restart 0.7 Miscellaneous This plugin allows you to restart Jenkins safely.	1 yr 12 mo ago

At the bottom of the screen, a Windows taskbar is visible with the system clock showing 12:16 AM on 26-11-2024.

Restart after plugin installed



The screenshot shows the Jenkins 'Download progress' page. The left sidebar contains a 'Plugins' section with a 'Download progress' link highlighted. The main content area shows the progress of plugin installation. A red badge with the number '61' is next to the 'Download progress' link. The progress steps are: Preparation (Checking internet connectivity, Checking update center connectivity, Success), Safe Restart (Success), Loading plugin extensions (Success), and Restarting Jenkins (Running). Below the progress steps, there are two links: 'Go back to the top page' and 'Restart Jenkins when installation is complete and no jobs are running'. The Windows taskbar at the bottom shows the time as 12:17 AM on 26-11-2024.

Download progress

Preparation

- Checking internet connectivity
- Checking update center connectivity
- Success

Safe Restart Success

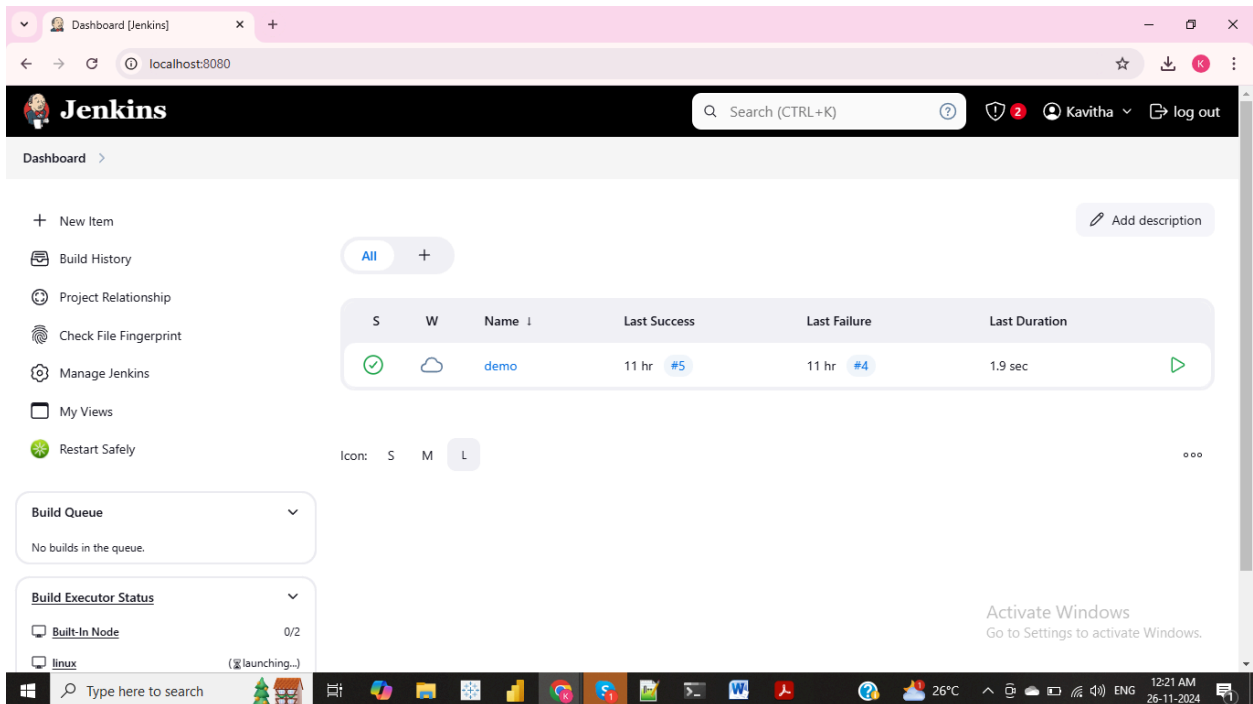
Loading plugin extensions Success

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

After restart the installed plugin shows in main page of jenkins.



The screenshot shows the Jenkins Dashboard. The left sidebar contains a 'New Item' button and a list of links: Build History, Project Relationship, Check File Fingerprint, Manage Jenkins, My Views, and Restart Safely. The main content area shows a table with columns: S, W, Name, Last Success, Last Failure, and Last Duration. The table contains one row with a green checkmark in the 'S' column, a cloud icon in the 'W' column, the name 'demo', '11 hr #5' in the 'Last Success' column, '11 hr #4' in the 'Last Failure' column, and '1.9 sec' in the 'Last Duration' column. Below the table, there is a section for 'Build Queue' and 'Build Executor Status'. The Windows taskbar at the bottom shows the time as 12:21 AM on 26-11-2024.

Dashboard

+ New Item

Build History

Project Relationship

Check File Fingerprint

Manage Jenkins

My Views

Restart Safely

Build Queue

No builds in the queue.

Build Executor Status

Built-in Node 0/2

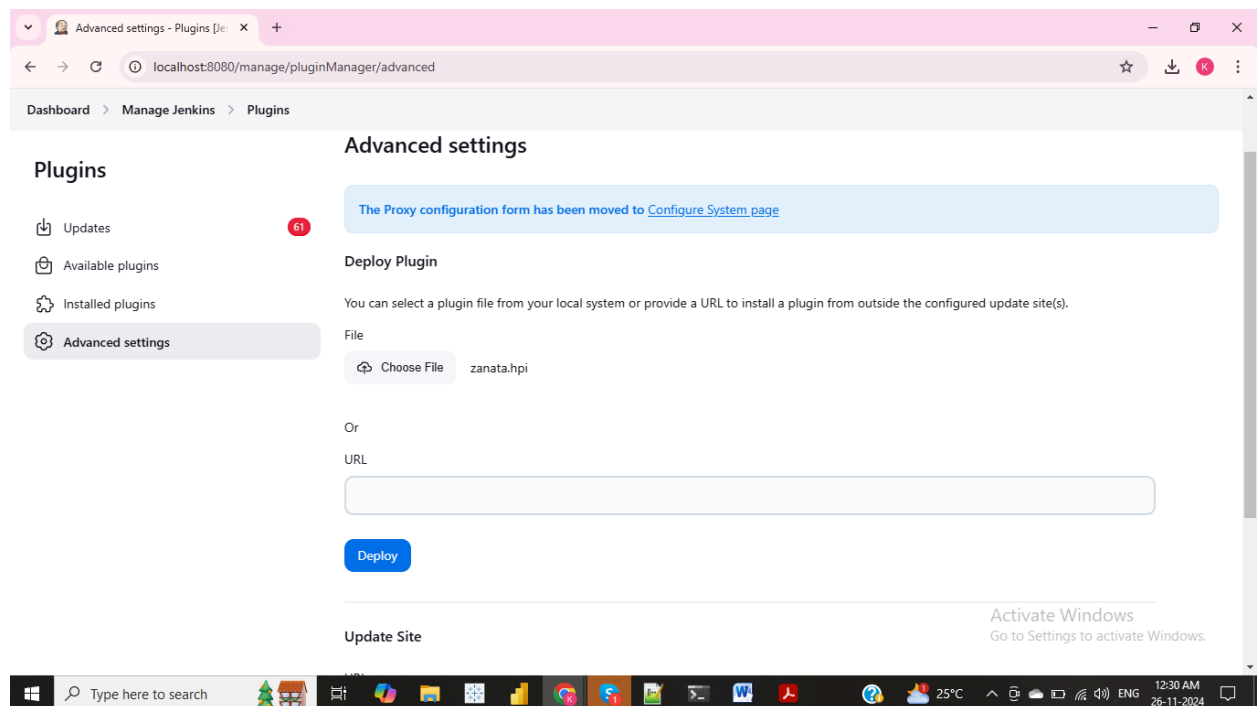
linux (launching...)

S	W	Name	Last Success	Last Failure	Last Duration
✓	☁	demo	11 hr #5	11 hr #4	1.9 sec

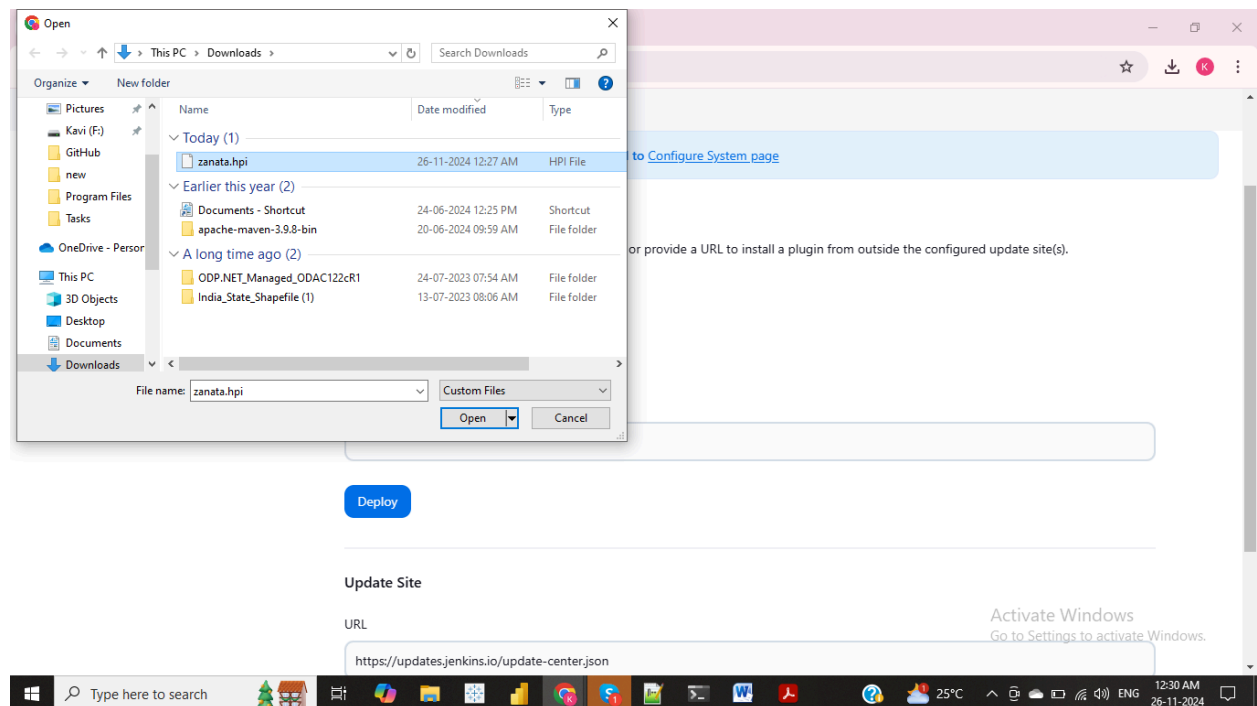
Icon: S M L

Installing unavailable plugin in jenkins

Go to Manage jenkins – Advanced settings --choose file



Upload the downloaded plugin in lap



After install click restart

The screenshot shows the Jenkins web interface at the URL `localhost:8080/manage/pluginManager/updates/`. The page title is "Download progress - Plugins". The left sidebar contains links for "Updates", "Available plugins", "Installed plugins", "Advanced settings", and "Download progress" (which is highlighted). The main content area is titled "Download progress" and shows the installation status for the "zanata" plugin. It indicates "Preparation" and "Success" with a green checkmark. Below this, there are two instructions: "Go back to the top page (you can start using the installed plugins right away)" and a checkbox labeled "Restart Jenkins when installation is complete and no jobs are running". The bottom of the screen shows a Windows taskbar with the system clock at 12:31 AM on 26-11-2024.

Now go back to Installed plugin check whether its enable

The screenshot shows the Jenkins web interface at the URL `localhost:8080/manage/pluginManager/installed`. The page title is "Installed plugins - Plugins". The left sidebar contains links for "Updates", "Available plugins", "Installed plugins" (which is highlighted), and "Advanced settings". The main content area shows a search bar with the text "zan". Below the search bar, there is a table of installed plugins. The table has two columns: "Name" and "Enabled". The first row shows "Zanata 0.5" and "Enabled". Below the table, there is a warning message: "Warning: The currently installed plugin version may not be safe to use. Please review the following security notices: Non-constant time webhook token hash comparison". The bottom of the screen shows a Windows taskbar with the system clock at 12:33 AM on 26-11-2024.