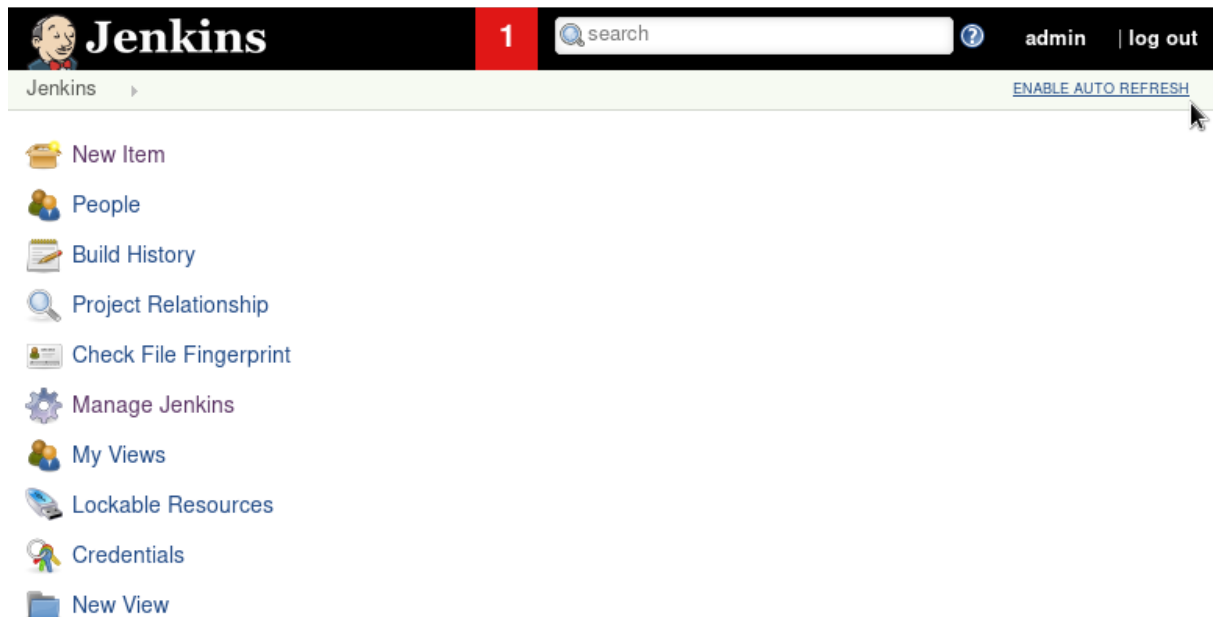
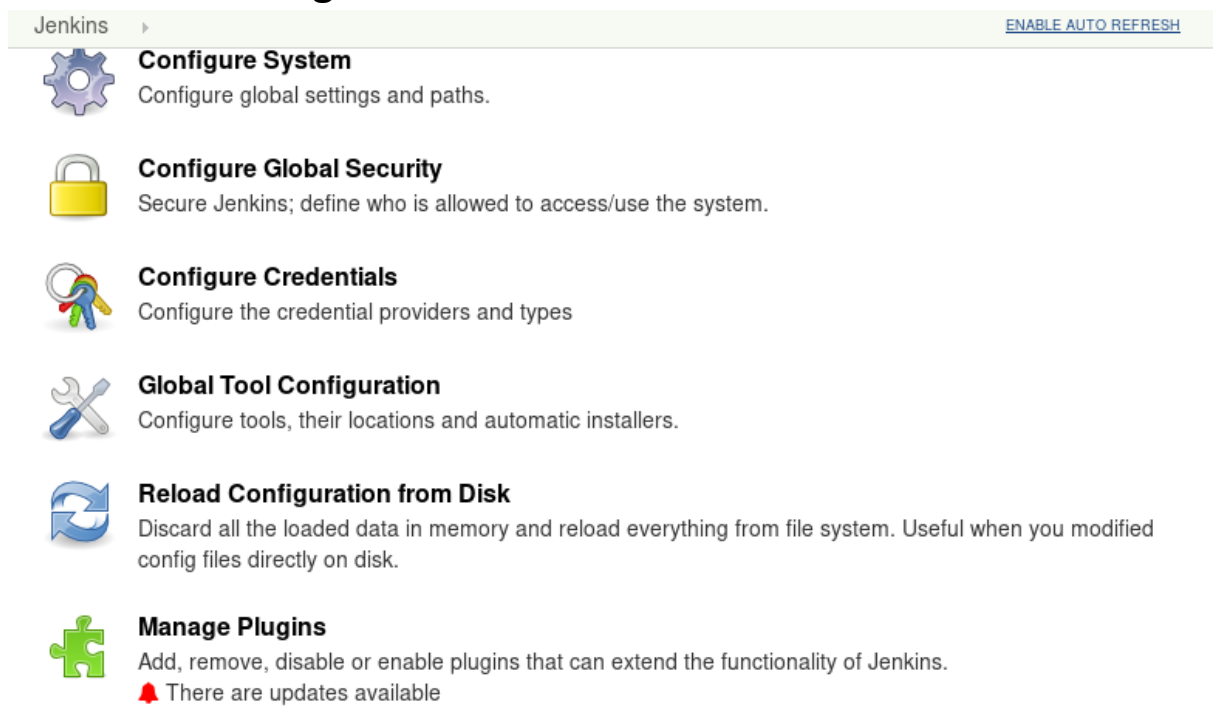


Maven-Jenkins-Github Integration

1. Login to your Jenkins.



2. Go inside Manage Jenkins.









3. Click on Manage Plugins.

4. Download Maven-Integration plugin.

Jenkins > Plugin Manager			
"Extensible Choice Plugin" which is able to read Artifact information from a Nexus repository.			
<input checked="" type="checkbox"/>	Maven Dependency Update Trigger This plugin will check if any SNAPSHOT dependencies (or optionally plugins SNAPSHOT) have been updated during your project's dependencies resolution and trigger a build.	1.5	Uninstall
<input checked="" type="checkbox"/>	Maven Integration plugin This plugin provides, for better and for worse, a deep integration of Jenkins and Maven: Automatic triggers between projects depending on SNAPSHOTs, automated configuration of various Jenkins publishers (JUnit, ...).	3.4	Uninstall
<input checked="" type="checkbox"/>	Maven Metadata Plugin for Jenkins CI server Adds a build parameter that presents versions of an artifact from a maven repository as a drop down list.	2.0.0	Uninstall
<input checked="" type="checkbox"/>	Maven SNAPSHOT Check Plugin This plugin is used to check if pom.xml contains SNAPSHOT.	1.5	Uninstall
<input checked="" type="checkbox"/>	Oracle Java SE Development Kit Installer Plugin Allows the Oracle Java SE Development Kit (JDK) to	1.1	Uninstall

5. Now go to Configure global tool.

Jenkins >		ENABLE AUTO REFRESH
	Configure System Configure global settings and paths.	
	Configure Global Security Secure Jenkins; define who is allowed to access/use the system.	
	Configure Credentials Configure the credential providers and types	
	Global Tool Configuration Configure tools, their locations and automatic installers.	
	Reload Configuration from Disk Discard all the loaded data in memory and reload everything from file system. Useful when you modified config files directly on disk.	
	Manage Plugins Add, remove, disable or enable plugins that can extend the functionality of Jenkins. 🔴 There are updates available	

6. Scroll down to maven and click on add maven. Write the name and Path of your maven. In my case /usr/share/maven.

The screenshot shows the Jenkins 'Global Tool Configuration' page. The 'Maven' section is active, displaying 'Maven installations'. There is an 'Add Maven' button. Below it, the 'Name' field is filled with 'maven' and the 'MAVEN_HOME' field is filled with '/usr/share/maven'. There is an unchecked checkbox for 'Install automatically' and a 'Delete Maven' button. At the bottom, there are 'Save' and 'Apply' buttons.

Jenkins > Global Tool Configuration

List of Gradle installations on this system

Ant

Ant installations Add Ant

List of Ant installations on this system

Maven

Maven installations Add Maven

Maven

Name

MAVEN_HOME

☐ Install automatically ?

Delete Maven

Save Apply

7. Click on apply and save. Now create a new job and select maven project.

The screenshot shows the 'Enter an item name' dialog in Jenkins. It has a text input field and a 'Required field' message. Below the input field, there are three project types: 'Freestyle project', 'Maven project', and 'Pipeline'. The 'Maven project' is highlighted with a green box. A mouse cursor is clicking on the 'Maven project' icon.

Jenkins > All >

Enter an item name

» Required field

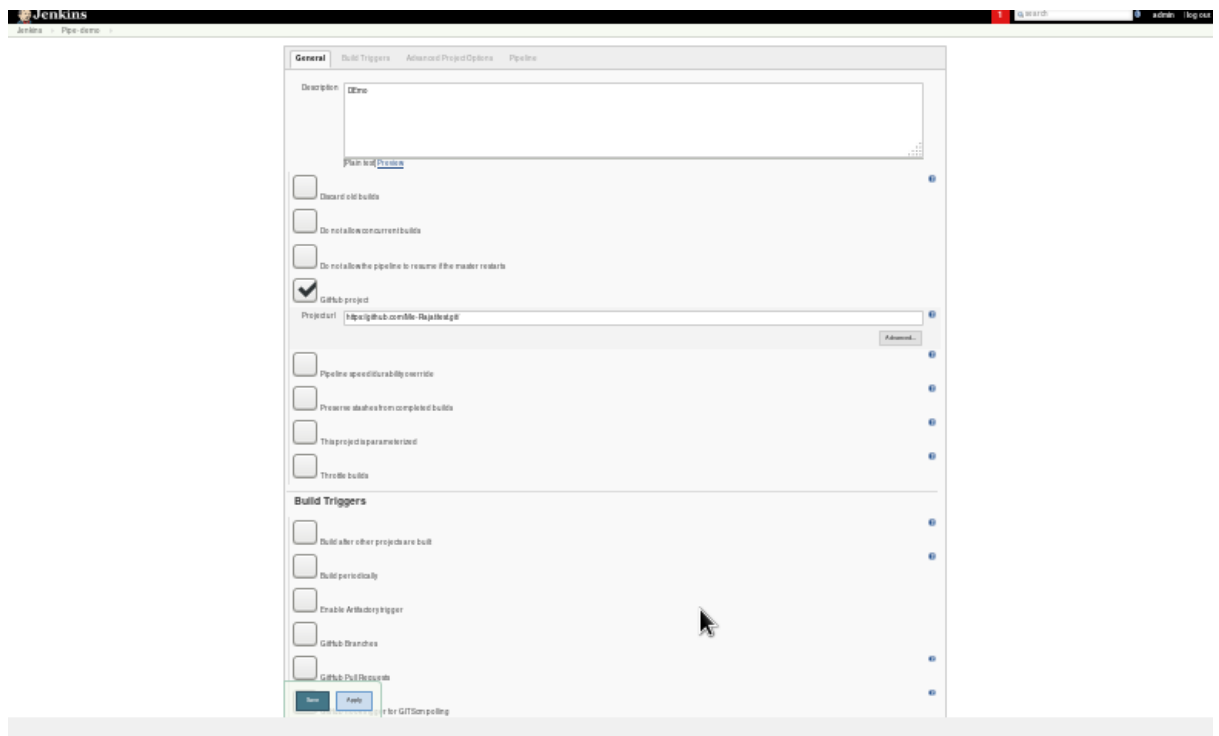
Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

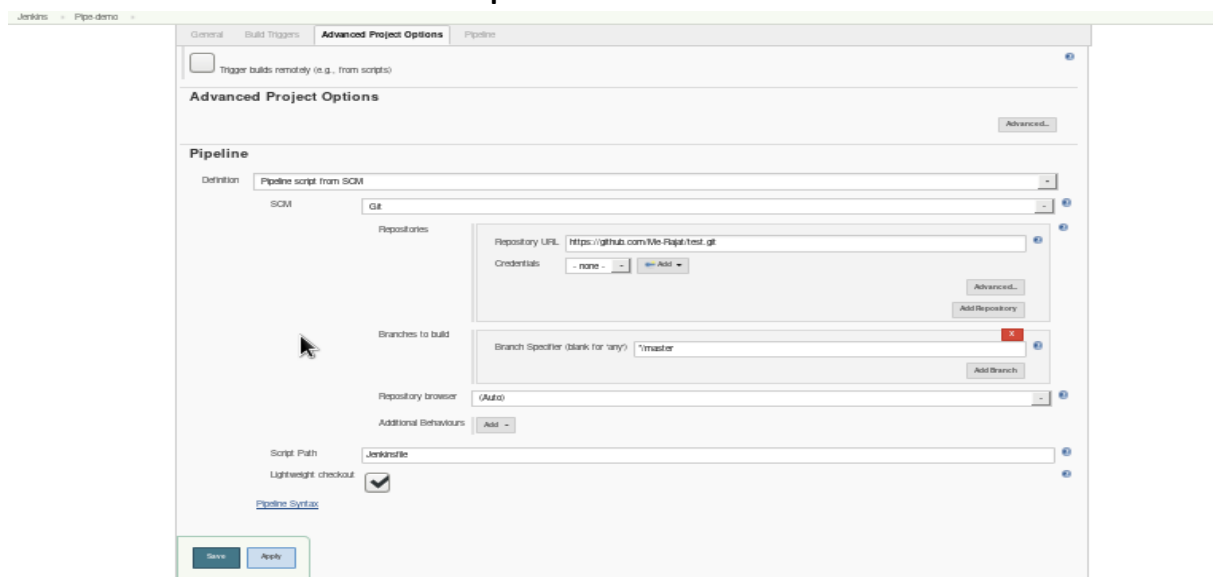
Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

OK

- Click on git-hub project and add the url of your git-hub repository where your pom.xml and Jenkins file are stored.



- Make sure in your Jenkinsfile doc you must include the maven build and test steps.



- Click on save and run the build.