

How To - Jenkins Configuration

Setting Up Jenkins First Time:

While configuring the Jenkins first time, please follow below mentioned steps-

1. It will ask to submit the admin password. Password can be found at "\$JENKINS_HOME/secrets/initialAdminPassword" location. Just copy the password and paste then click continue.
2. It will also ask to install plugin, select "Install suggested plugins" and it will install some plugins in Jenkins. Other option "Select plugin to install" also available in case of any customization.
3. Then it will ask to create a user, any user can be created here or can choose "Continue as admin". Once saved you will be leading to Jenkins Home page.

Installing Plugins Into Jenkins:

For installing the plugins; Go to Manage Jenkins > Manage Plugin. Any new plugins and plugin update can be done from here.

Installed plugins can be checked, under the Installed tab and plugin can be filtered with the plugin name.

For installing new plugin, go to Available tab type the plugin name under filter text box. For example, type Git and press enter it will show the all plugins related to Git. User can select the plugins and can install the plugins.

Some Plugins Needs To Be Installed:

S.No.	Plugin Name	Version	Usage of Plugin
1	Git	3.12.1	Git plugin is used to fetch code from SCM
2	Maven, Maven Integration plugin	3.4	Basically this is build tool like others Ant, Gradle, MSBuild etc. To integrate the Jenkins SCM and Maven Build tool
3	Jira	3.0.9	To integrate the Jira with the Jenkins
4	Bitbucket	1.1.11	Integration between Jenkins and Bitbucket
5	Nexus	2.10	Artifactory server where generated artifacts like War/Jar will be pushed
6	Sonar	2.9	Used for static code analysis
7	Pipeline	2.6	To create the pipeline
8	Copy Artifact	1.42.1	This will copy artifacts from Jenkins to Artifactory server or some other machine
9	Deploy to container	1.15	It provide the capability to deploy artifacts in local containers like tomcat or JBoss etc
10	Publish over ssh	1.20.1	Want to connect some machine using ssh and send some instructions or data

If any plugin you choose to install and this plugin needs any dependencies then it will automatically detect & install the required plugins.

Install Custom Plugin or Plugins Which Are Not Showing In Available List:

Go to Jenkins > Manage Jenkins > Manage Plugins > Advanced > Upload Plugin; upload custom plugin or any downloaded plugins there (hpi extension file).