

After Jenkins Installation we have to set up our Jenkins environment to work efficiently.

Sudo permission for Jenkins user:

Once you installed Jenkins your Linux server have **jenkins** user created by default.

As all operations are going to be performed by **jenkins** user we have to provide sudo permission for jenkins user.

```
# login jenkins server and give full permission to sudoers file.
$ cd /etc
$ chmod 777 sudoers
# Edit sudoers file and add the below line in the file for giving sudo permission for
Jenkins user.
$ vi sudoers
jenkins ALL=(ALL) NOPASSWD:ALL
:wq
# Once you edited don't forget to change the permission back (if you miss this step no
user can able to login with sudo permission)
$ chmod 440 sudoers
```

Port number and security:

Jenkins default port number was **8080** .You can able to change the port number

```
$ vi /etc/defaults/jenkins
Port <number you need>
:wq
```

Open the port 8080/ port number you changed in firewall/ security groups.

If you need to keep the Jenkins UI in private you can block the port number for public access.

Plugins:

In Jenkins we perform many activities using plugins like integrating Git we need git plugins and moving files to windows we need CIFS plugin.

You need to install the required plugins based on your requirement.

To manage plugins Goto Manage Jenkins → Manage plugins

Manage Jenkins

It appears that your reverse proxy set up is broken.

[More Info](#)

[Dismiss](#)



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

We will be redirected to the below wizard here you find tabs like Updates, Available, Installed and Advance.

Updates: You can update the version of current version of installed plugins.

Updates			
Available Installed Advanced			
Install	Name ↓	Version	Installed
<input type="checkbox"/>	bouncycastle API This plugin provides an stable API to Bouncy Castle related tasks.	2.18	2.17
<input type="checkbox"/>	Gradle This plugin allows Jenkins to invoke Gradle build scripts directly.	1.36	1.35
<input type="checkbox"/>	Jackson 2 API This plugin exposes the Jackson 2 JSON APIs to other Jenkins plugins.	2.10.2	2.10.1
<input type="checkbox"/>	Pipeline: Basic Steps Commonly used steps for Pipelines.	2.19	2.18
<input type="checkbox"/>	Pipeline: Build Step Adds the Pipeline step build to trigger builds of other jobs.	2.11	2.10
<input type="checkbox"/>	Pipeline: Step API API for asynchronous build step primitive.	2.22	2.21
<input type="checkbox"/>	SSH Agent This plugin allows you to provide SSH credentials to builds via a ssh-agent in Jenkins	1.18	1.17

[Download now and install after restart](#)

Update information obtained: 1 hr 0 min ago

[Check now](#)

Available: Its for installing new plugins. You can search with key name and get list of relevent plugins and click install without restart or install and restart.

Filter:

Updates

Available

Installed

Advanced

Install ↓

	Name	Version
<input type="checkbox"/>	S3 publisher This is a plugin to upload files to Amazon S3 buckets.	0.11.2
<input type="checkbox"/>	App.io Upload Xcode simulator builds to App.io using Amazon S3	1.3
<input type="checkbox"/>	Amazon S3 Bucket Credentials	1.0.0
<input type="checkbox"/>	Artifact Manager on S3 A Jenkins plugin to keep artifacts and Pipeline stashes in Amazon S3.	1.8
<input type="checkbox"/>	S3 Yum repo parameter A plugin that searches an S3 Yum repository and presents the results as a persistent dropdown parameter.	1.5
<input type="checkbox"/>	CONS3RT Build and upload a CONS3RT asset. Allows for asset creation or update, and additionally allows for launching a deployment run.	1.0.0
<input type="checkbox"/>	S3 package parameter A plugin that searches an S3 Yum repository and presents the results as a persistent dropdown parameter.	1.7

Install without restart

Download now and install after restart

Update information obtained: 1 hr 1 min ago

Check now

Installed: It will show the installed plugins.

Advance: If you are in private network and you need to set proxy for internet connections you have to configure proxy settings here.

Updates

Available

Installed

Advanced

HTTP Proxy Configuration

Server

Port

User name

Password

No Proxy Host

Submit

Advanced...