Link: <a href="https://www.jenkins.io/doc/book/installing/linux/#red-hat-centos">https://www.jenkins.io/doc/book/installing/linux/#red-hat-centos</a>

### **Install Jenkins**

```
sudo wget -0 /etc/yum.repos.d/jenkins.repo \
    https://pkg.jenkins.io/redhat-stable/jenkins.repo
sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key
sudo yum upgrade -y

[ronslim@ansiblec jenkins]$ sudo wget -0 /etc/yum.repos.d/jenkins.repo \
    https://pkg.jenkins.io/redhat-stable/jenkins.repo
--2025-05-18 23:20:33-- https://pkg.jenkins.io/redhat-stable/jenkins.repo
Resolving pkg.jenkins.io (pkg.jenkins.io) (pkg.jenkins.io)... 146.75.22.133. 2a04:4e42:75::645
```

```
sudo yum install fontconfig java-21-openjdk -y
[ronslim@ansiblec jenkins]$ sudo yum install fontconfig java-21-openjdk -y
Updating Subscription Management repositories.
Last metadata expiration check: 0:15:24 ago on Sunday, 18 May, 2025 11:21:33 PM.
Package fontconfig-2.14.0-2.el9_1.x86_64 is already installed.
Dependencies resolved.
 Package
                                                                                     Architecture
                                                                                                                                            Vers
Installing:
                                                                                                                                            1:21
                                                                                     x86_64
 java-21-openjdk
Installing dependencies:
 copy-jdk-configs
java-21-openjdk-headless
                                                                                     noarch
                                                                                                                                            1:21
                                                                                     x86_64
  javapackages-filesystem
                                                                                     noarch
  lksctp-tools
                                                                                     x86_64
                                                                                     x86_64
  lua-posix
ttmkfdir
                                                                                     x86_64
                                                                                     x86_64
  tzdata-java
                                                                                     noarch
  xorg-x11-fonts-Type1
                                                                                     noarch
Transaction Summary
Install 10 Packages
```

#### sudo yum install jenkins -y

```
[rons]im@ansiblec jenkins]$ sudo yum install jenkins -y
Updating Subscription Management repositories.
Last metadata expiration check: 0:16:19 ago on Sunday, 18 May, 2025 11:21:33 PM.
Dependencies resolved.
  Package
                                                                                            Architecture
                                                                                                                                                                                     Version
Installing:
                                                                                                                                                                                     2.504.1-1.1
                                                                                            noarch
Transaction Summary
Install 1 Package
Total download size: 90 M
Installed size: 90 M
Downloading Packages:
jenkins-2.504.1-1.1.noarch.rpm
 Total
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
Preparing
                                     jenkins-2.504.1-1.1.noarch
jenkins-2.504.1-1.1.noarch
jenkins-2.504.1-1.1.noarch
jenkins-2.504.1-1.1.noarch
   Running scriptlet:
Installing :
   Running scriptlet:
Verifying :
 Installed products updated.
Installed:
jenkins-2.504.1-1.1.noarch
```

```
sudo systemctl daemon-reload
sudo systemctl enable jenkins
sudo systemctl start jenkins
sudo systemctl status jenkins
```

Browse to http://localhost:8080 (or whichever port you configured for Jenkins when installing it) and wait until the Unlock Jenkins page appears.



Get the initial password at /var/lib/jenkins/secrets/initialAdminPassword [ronslim@ansiblec jenkins]\$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword 930b72 [ronslim@ansiblec jenkins]\$ |

Depending on need, either choose Installed suggested plugins and Select plugins to install. For this document, we will choose Installed suggested plugins.

Getting Started

### **Customize Jenkins**

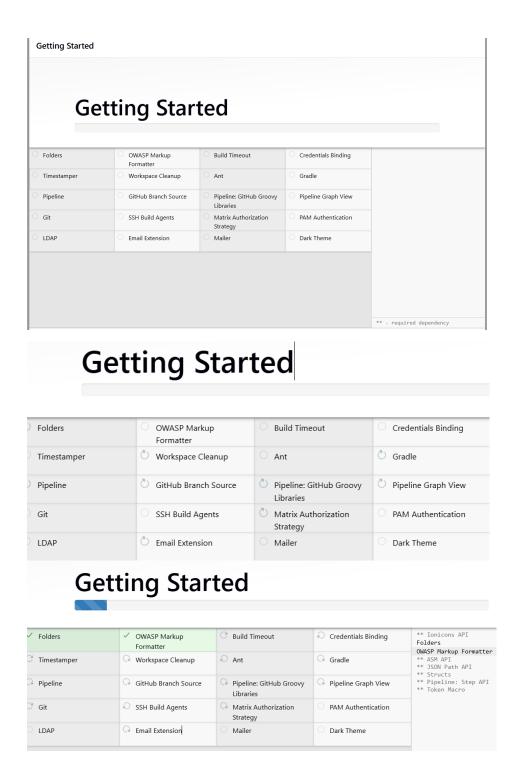
Plugins extend Jenkins with additional features to support many different needs.

# Install suggested plugins

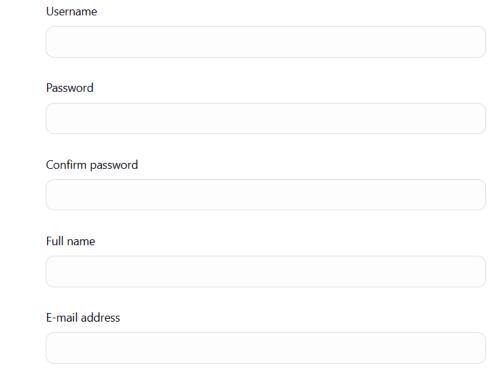
Install plugins the Jenkins community finds most useful.

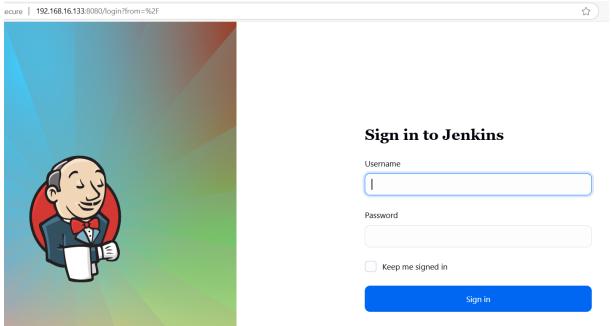
## Select plugins to install

Select and install plugins most suitable for your needs.

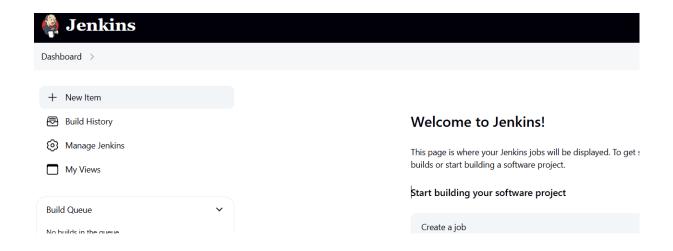


Just in case stuck. Restart Jenkins service and resume with installation After that, setup a user. Then login with the user setup.

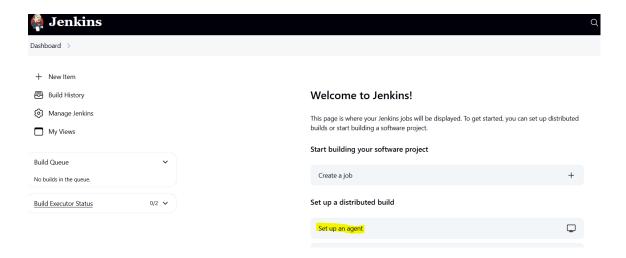




After login, you can see the dashboard.



## **Setup Agent**



### New node

Node name

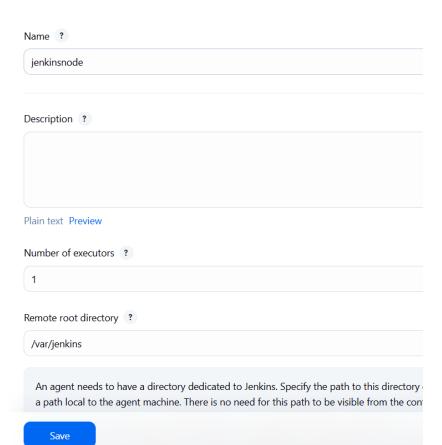


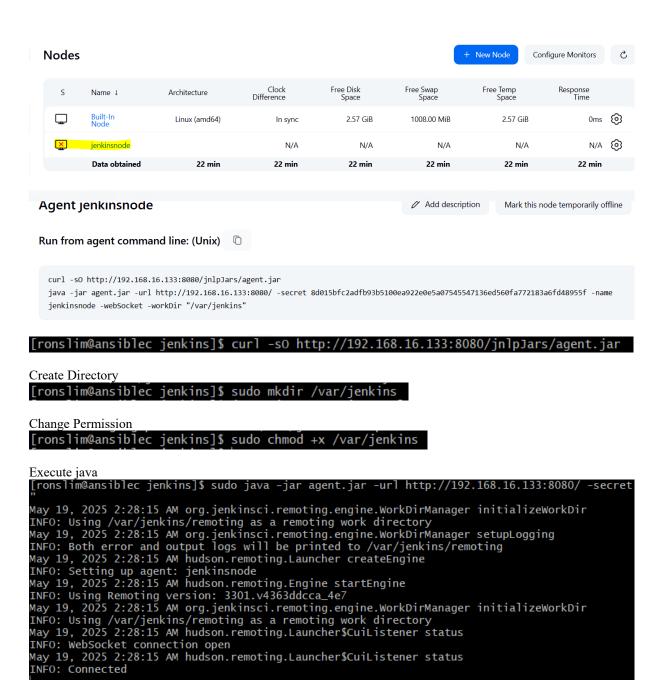
Type



Adds a plain, permanent agent to Jenkins. This is called "permanent" because Jenkins doesn't provide higher level of integration with these agents, such as dynamic provisioning. Select this type if no other agent types apply — for example such as when you are adding a physical computer, virtual machines managed outside Jenkins, etc.







After that, jenkins agent is connected

# Nodes

S	Name ↓	Architecture	Diffe
	Built-In Node	Linux (amd64)	
<b>_</b>	jenkinsnode	Linux (amd64)	
	Data obtained	32 sec	