Prerequisites

Minimum hardware requirements:

* 256 MB of RAM
* 1 GB of drive space (although 10 GB is a recommended minimum if running Jenkins as a Docker container)

Recommended hardware configuration for a small team:

* 4 GB+ of RAM
* 50 GB+ of drive space

Comprehensive hardware recommendations:

* Hardware: see the [Hardware Recommendations](https://www.jenkins.io/doc/book/scaling/hardware-recommendations) page

Software requirements:

* Java: see the [Java Requirements](https://www.jenkins.io/doc/administration/requirements/java) page
* Web browser: see the [Web Browser Compatibility](https://www.jenkins.io/doc/administration/requirements/web-browsers) page
* For Windows operating system: [Windows Support Policy](https://www.jenkins.io/doc/administration/requirements/windows)
* For Linux operating system: [Linux Support Policy](https://www.jenkins.io/doc/administration/requirements/linux)
* For servlet containers: [Servlet Container Support Policy](https://www.jenkins.io/doc/administration/requirements/servlet-containers)

Installation Of Jenkins

#change the user to root

sudo -i

#update the system

apt-get update

#change the user name

hostnamectl set-hostname Jenkins

bash

#install java

apt install openjdk-11-jdk -y

#add Jenkins repository

curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo tee \

/usr/share/keyrings/jenkins-keyring.asc **>** /dev/null

echo deb **[**signed-by**=**/usr/share/keyrings/jenkins-keyring.asc] \

https://pkg.jenkins.io/debian-stable binary/ | sudo tee \

/etc/apt/sources.list.d/jenkins.list **>** /dev/null

#update the system

apt-get update

#install the Jenkins

apt install Jenkins -y

#check status of Jenkins

systemctl status Jenkins.service