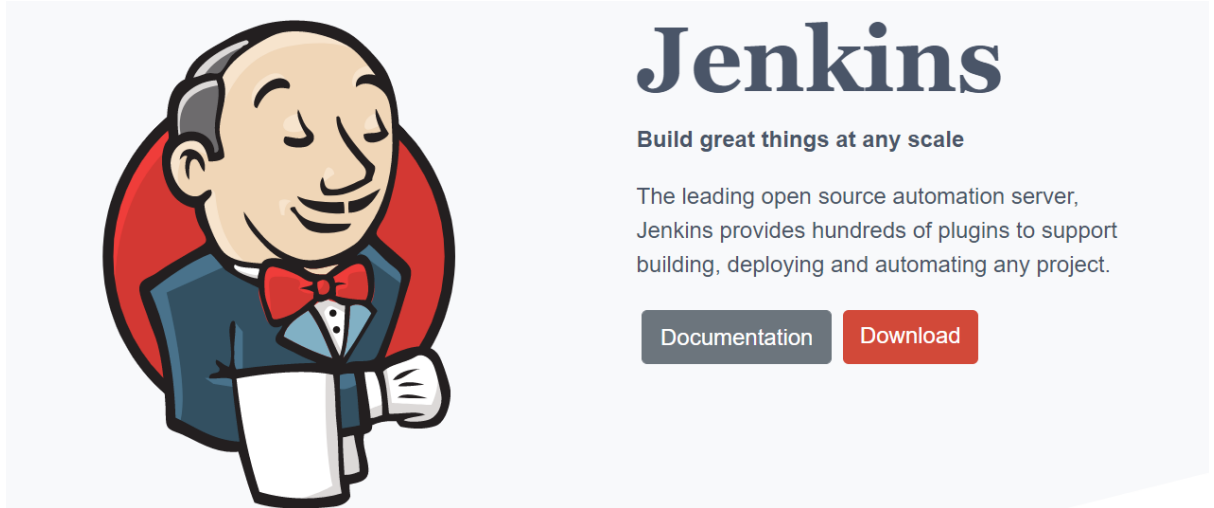


# Installation of Jenkins as Continuous Integration (CICD) Tool

1. Visit the jenkins site and click on Download

<https://www.jenkins.io/>



2. Click on Ubuntu

## Download Jenkins 2.289.3 LTS for:

Generic Java package (.war) SHA-256: 996dfd29d5f933546af9e9f77c29b371fb0627b8266b6c9f134ac2e0f1248b87
Docker
Ubuntu/Debian
CentOS/Fedora/Red Hat
Windows

3. Ensure your VPN is up and running before proceeding with installation steps.

```
devops@devops-VirtualBox:~$ wget -q -O -  
https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key  
add -  
OK
```

```
devops@devops-VirtualBox:~$ sudo vi /etc/apt/sources.list  
Add the following line  
deb https://pkg.jenkins.io/debian-stable binary/
```

```
devops@devops-VirtualBox:~$ sudo apt-get update  
devops@devops-VirtualBox:~$ sudo apt-get install jenkins
```

```
devops@devops-VirtualBox:~$ systemctl status jenkins
• jenkins.service - LSB: Start Jenkins at boot time
   Loaded: loaded (/etc/init.d/jenkins; generated)
   Active: active (exited) since Sun 2021-08-01 10:30:48 IST; 1min
          20s ago
```

4. Access Jenkins in the browser using following url

<http://192.168.56.102:8080/>

You will arrive at following screen

5. Get the Administrator password from specified location and paste the same in the screen

```
devops@devops-VirtualBox:~$ sudo cat
/var/lib/jenkins/secrets/initialAdminPassword
```

Click on Continue

Getting Started

# Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

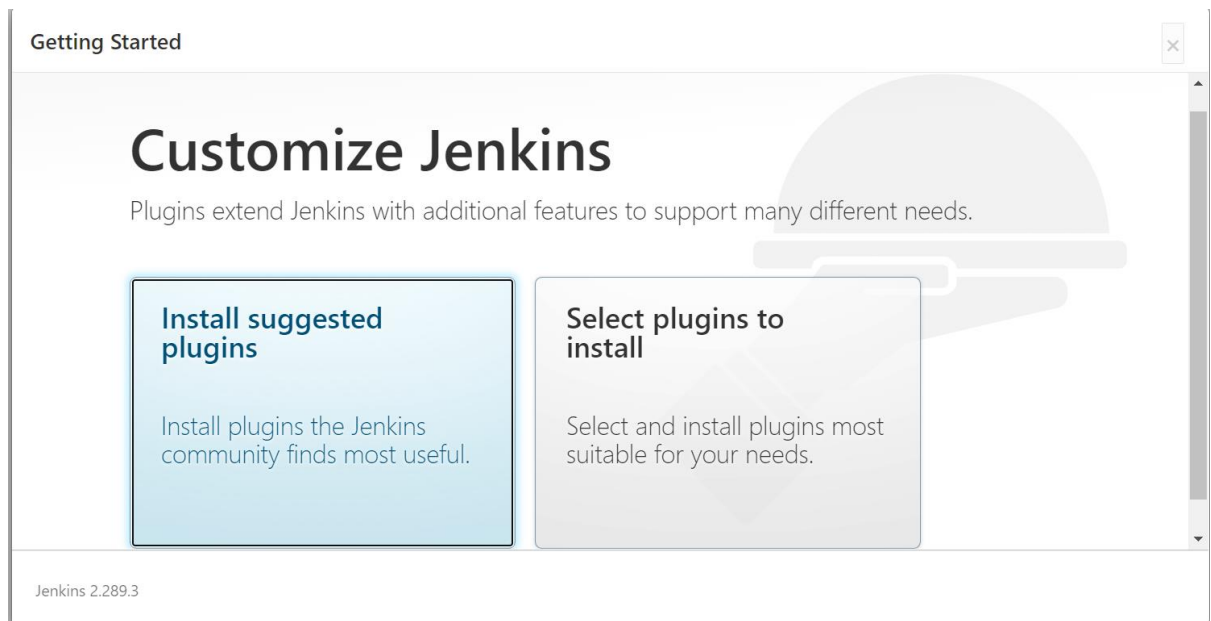
```
/var/lib/jenkins/secrets/initialAdminPassword
```

Please copy the password from either location and paste it below.

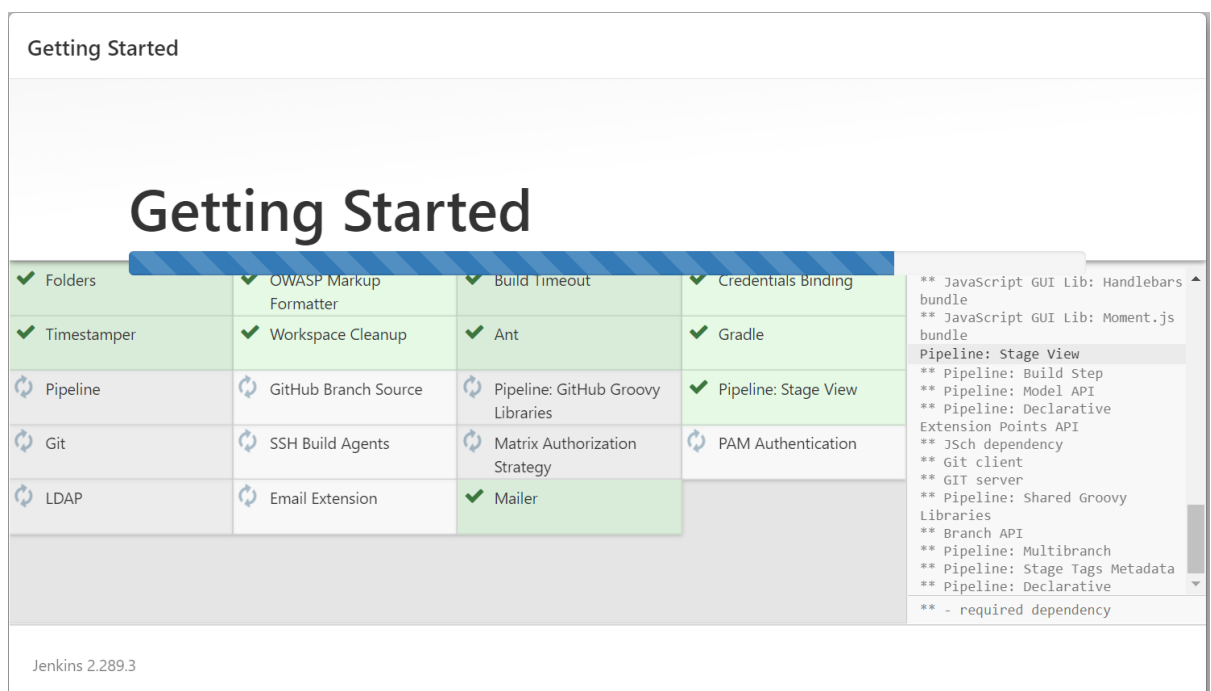
Administrator password

Continue

6. You will arrive at following screen. Click on Install suggested plugins



7. Following plugins will be installed



8. Once all the plugins are successfully installed it will automatically arrive at the screen to create first admin user. Enter the details click on save and continue

Getting Started

## Create First Admin User

Username:

demouser

Password:

.....

Confirm password:

.....

Full name:

Demo User

E-mail address:

demo@devops.com

Jenkins 2.289.3

[Skip and continue as admin](#)

Save and Continue

9. Provide more details as well the Jenkins URL. Click on Save and Finish

Getting Started

## Instance Configuration

Jenkins URL:

http://192.168.56.102:8080/

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the `BUILD_URL` environment variable provided to build steps.

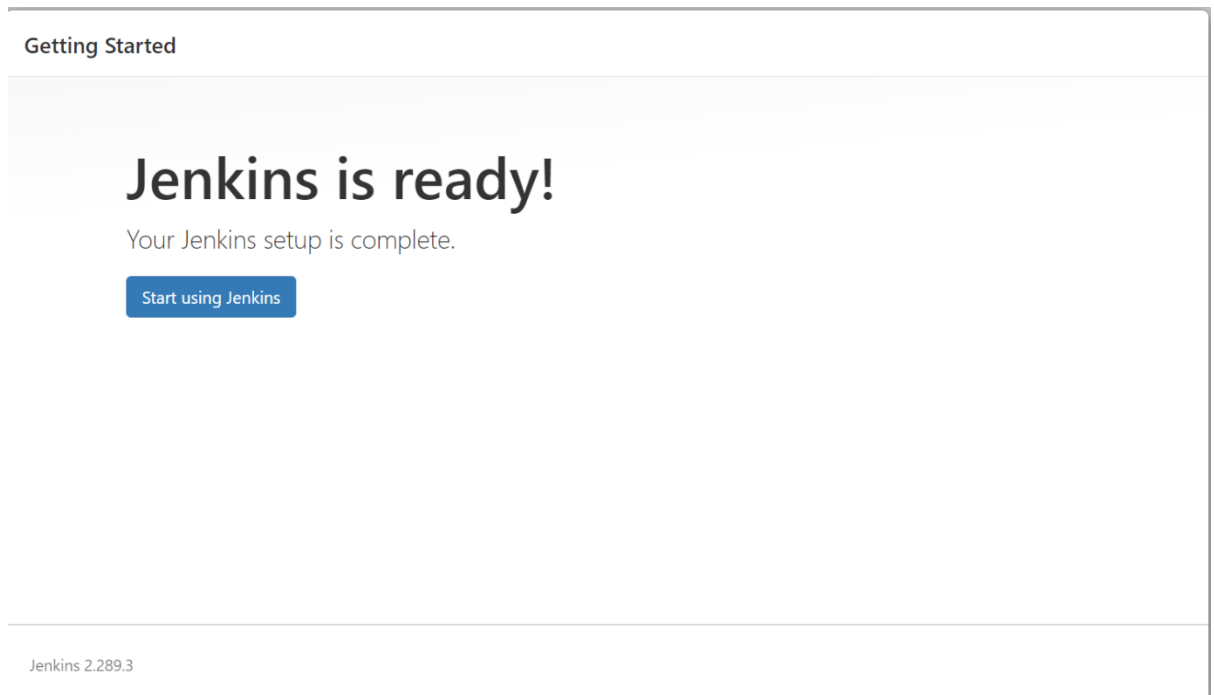
The proposed default value shown is **not saved yet** and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

Jenkins 2.289.3

Not now

Save and Finish

10. Now your Jenkins installation is completed and is ready for use. Click on Start using Jenkins



11. You will arrive at the Jenkins screen shown below

