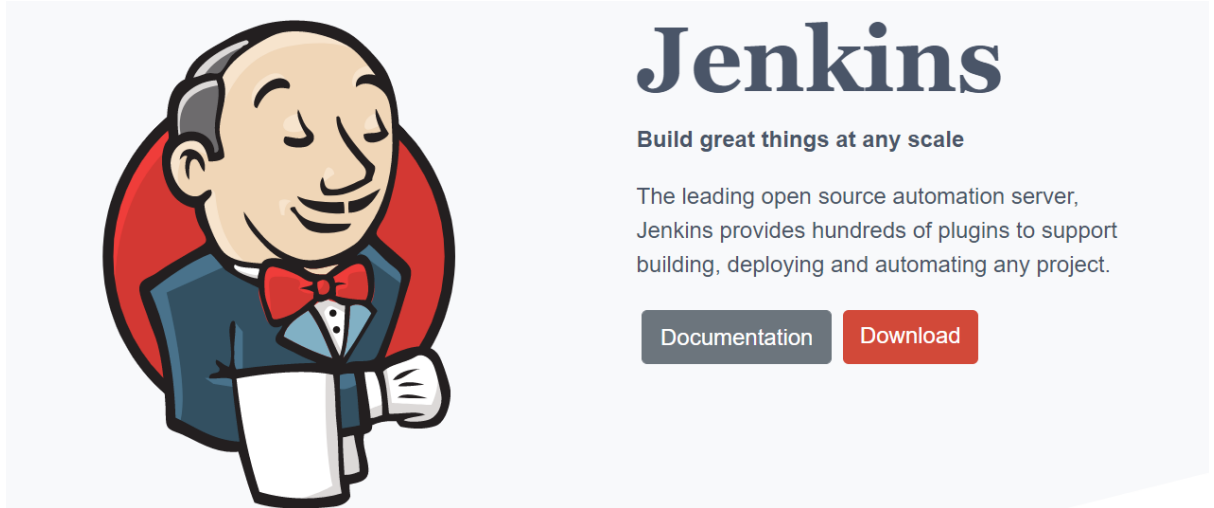# Installation of Jenkins as Continuous Integration (CICD) Tool

1. Visit the jenkins site and click on Download

   https://www.jenkins.io/

2. Click on Ubuntu

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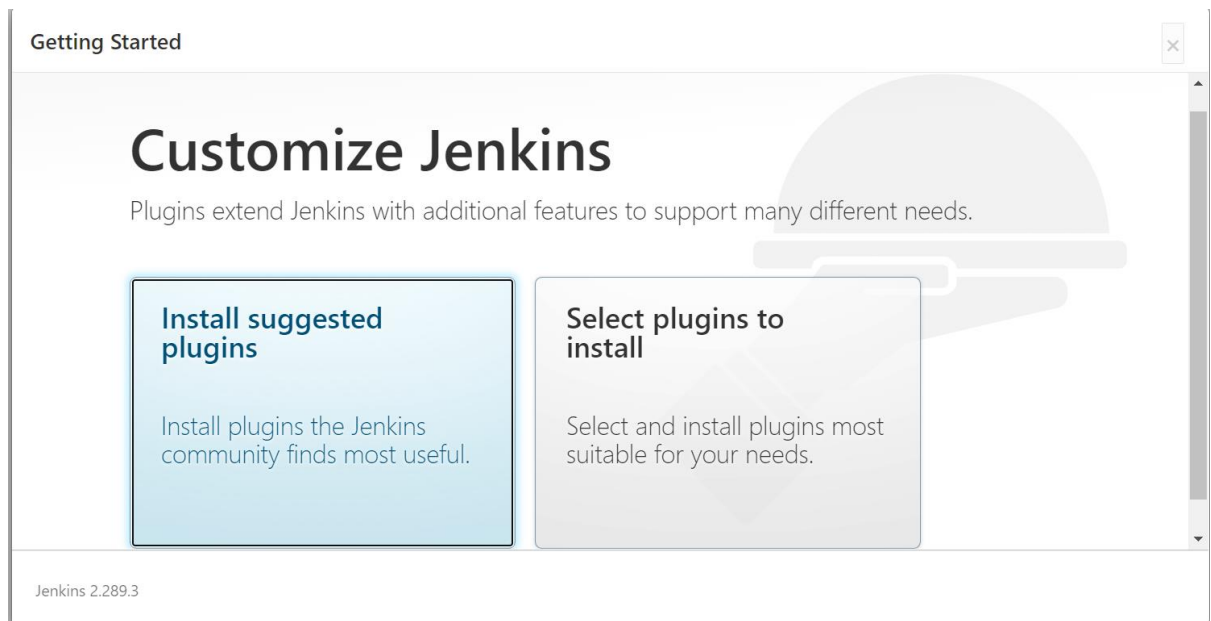
`/var/lib/jenkins/secrets/initialAdminPassword`

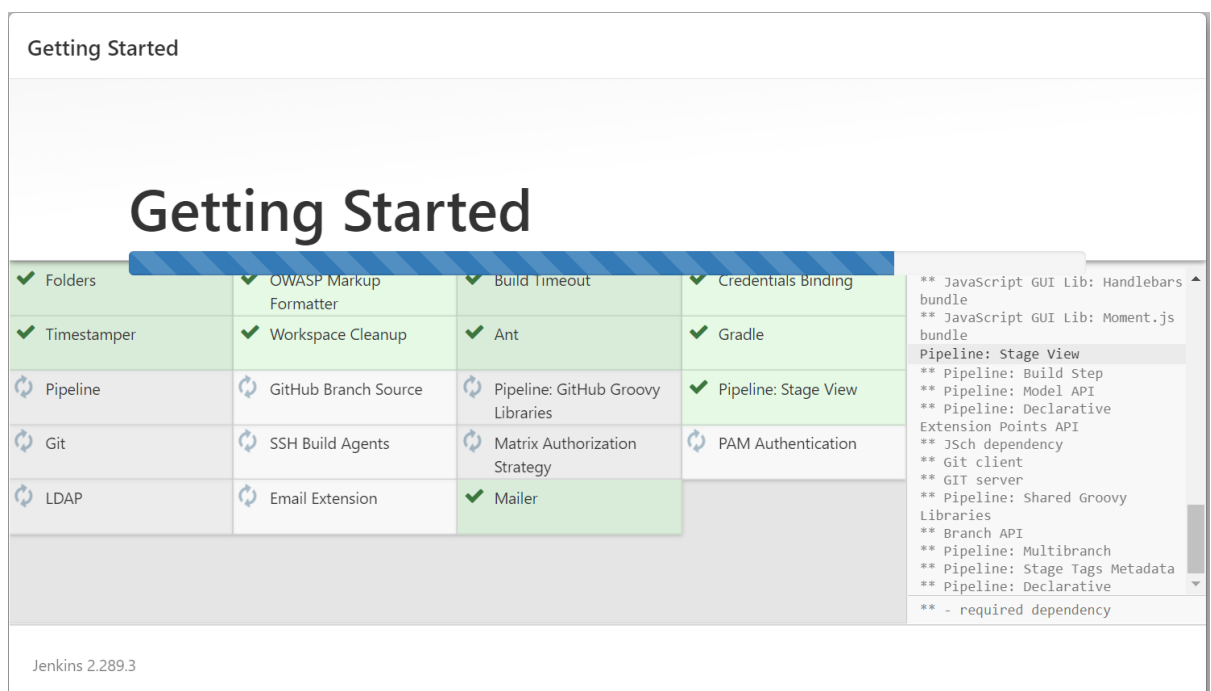Please copy the password from either location and paste it below.

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

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

10. Now your Jenkins installation is completed and is ready for use. Click on Start using Jenkins
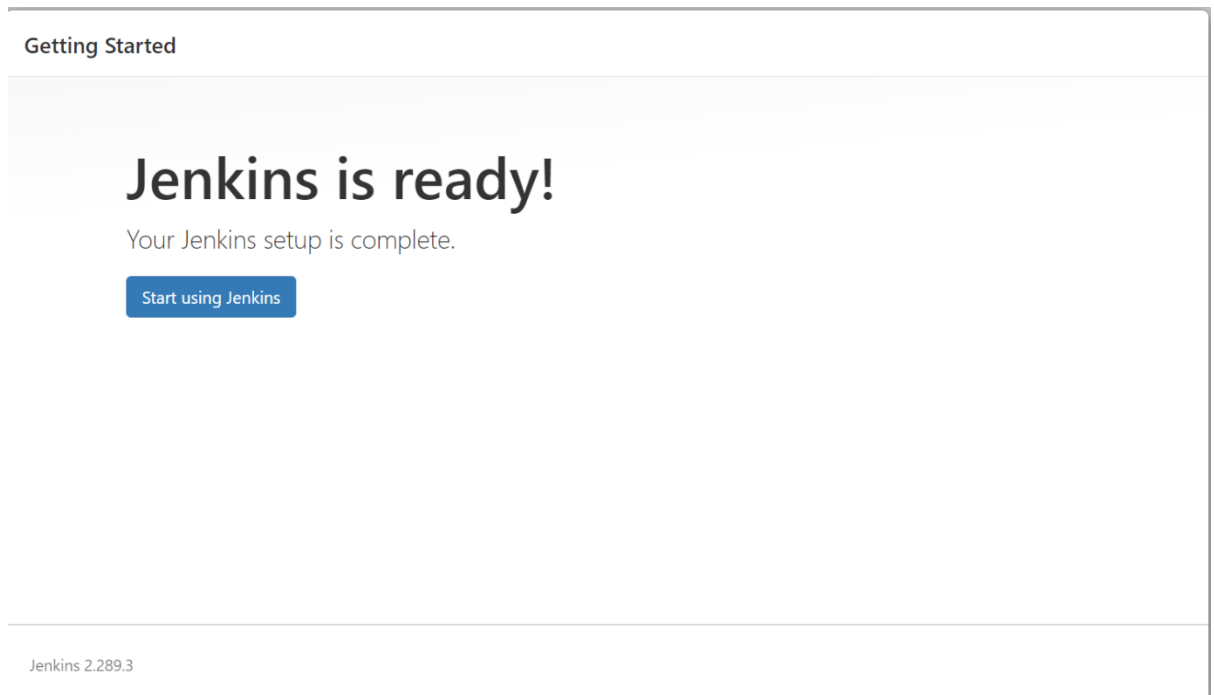
11. You will arrive at the Jenkins screen shown below