# Deployment Of Spring Boot Application In Jenkins

Last Updated : 21 Mar, 2024

In this article, we will be exploring how to automate the process of building Spring Boot applications by employing a polling trigger. We will also learn how to generate reports and store artifacts in the process. To achieve this, we will be leveraging the Jenkins server. Our goal is to create a pipeline and write a script that will run every minute to detect any commits that are pushed to our GitHub repository.

## What Is A Spring Boot?

Spring Boot is a framework that is built using Java programming language. Although it can perform all the functions of the Spring Framework, it stands out for its autoconfiguration (automatically change configurations based on dependencies), shorter code length, user-friendliness, stand-alone nature (can run by itself using embedded servers), and opinionated nature (install only the dependencies you require). It is widely used to develop Java applications.

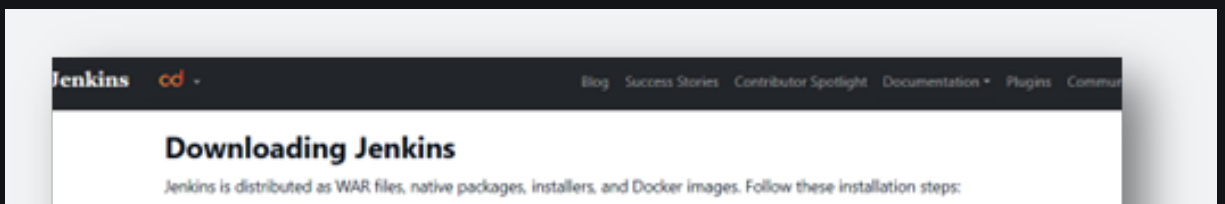
## What Is Jenkins?

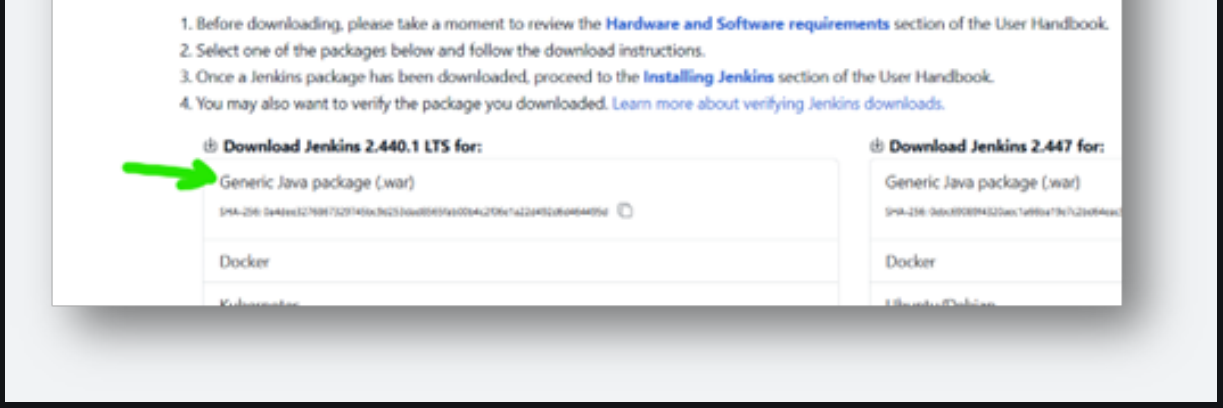
Jenkins is a automation tool used for Continuous Integration (CI) to automate, manage, and control software delivery at different stages such as build, testing, and deployment.

## Deploying Spring Boot Application In Jenkins: A Step-By-Step Guide

### Step 1: Downloading Jenkins

- Download the JDK 11 on your machine.
- Make sure nothing is running on port 8080 (Jenkins will use it to run locally)





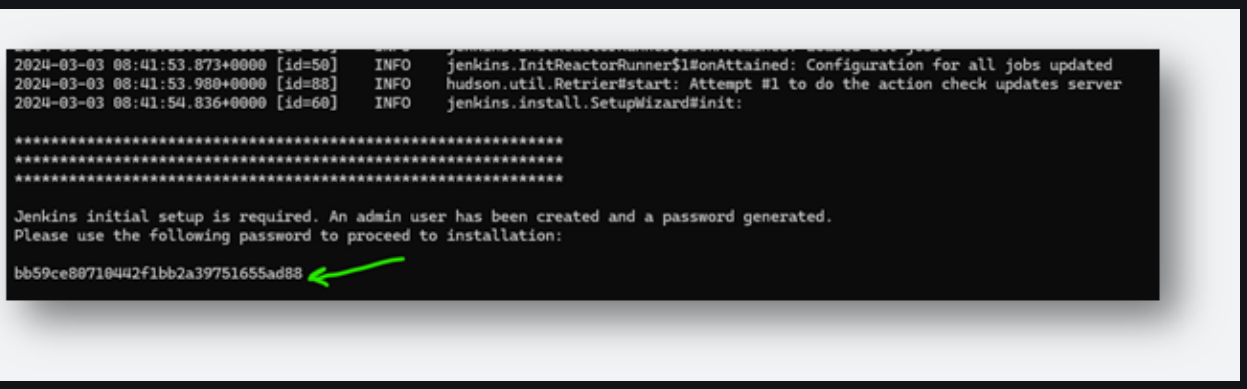

**Note:** You should have J**ava 11 or Java 17** to run the current jar downloaded.

**Step 2: Starting The Jenkins**

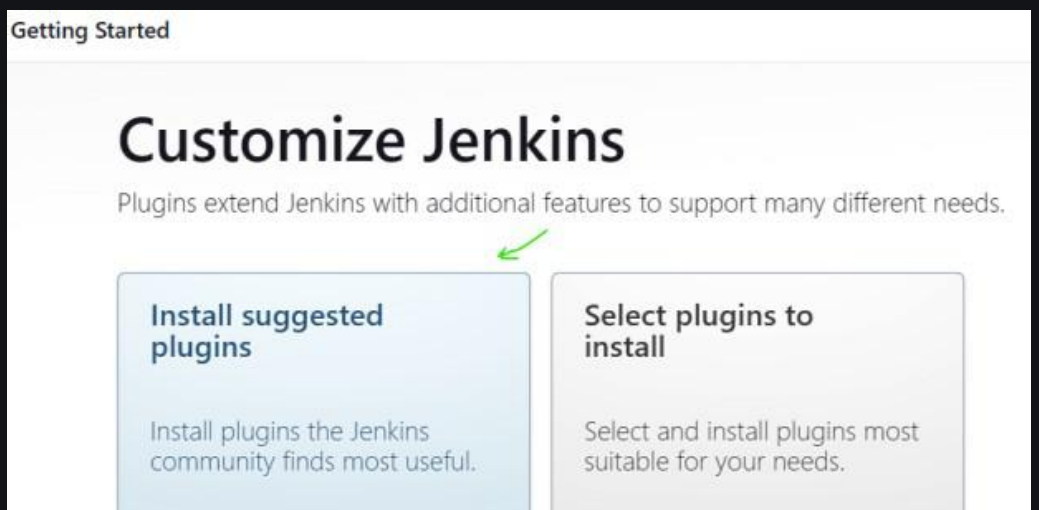
- Go to the directory in which you have downloaded the jar and open command prompt in that directory.

```
java -jar jenkins.war
```

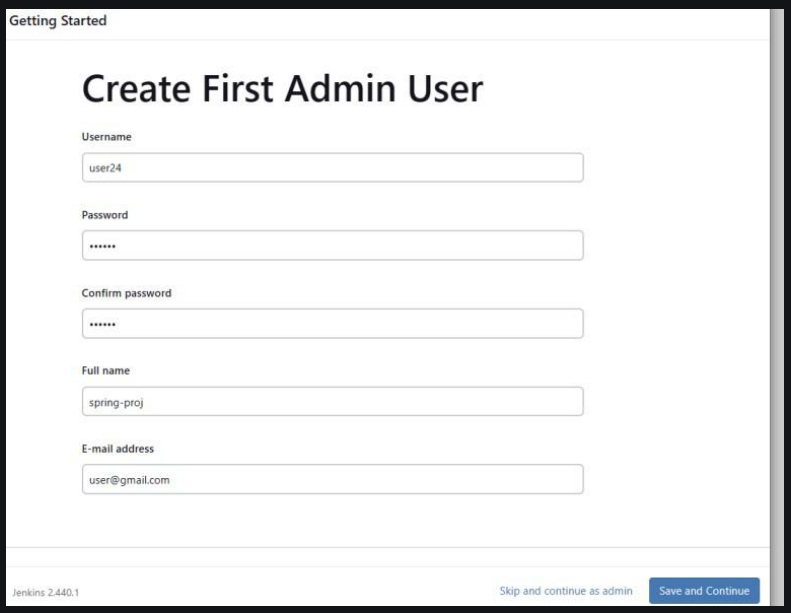
- In logs, if you observe, you will get the password if you are running for the first time (save it, we will be using it in later steps)




- Go to the browser and type “localhost:8080”. Add the previously saved password and press **continue.**
- Select **Install suggested plugins.**



- Once completed, a form will appear, and you have to fill in all the details.




- **Note:** Next time your currently given **password and username will be used for login**, instead of autogenerated password. So, Remember it.
- Click **Save and continue.** Leave the Instance configuration (URL) default and **press save and finish.**