

How to Change Port for Jenkins

December 29, 2021

JENKINS

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Introduction

Jenkins uses port 8080 by default. However, it also allows users to change the default [port](#) to suit their preferences.

In this tutorial, we will go over different methods of changing the default port for Jenkins.

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How to Change Port for Jenkins



8080

Prerequisites

- A copy of Jenkins installed and ready to use (learn how to [install Jenkins on Ubuntu 18.04](#), [Debian 10](#), [CentOS 8](#), or [Windows 10](#)).
- Access to a web browser.
- Access to [a text editor](#), such as Nano (Linux and macOS) or Notepad++ (Windows).
- Access to the terminal (Linux and macOS) or command prompt (Windows).
- Access to a user account with sudo/administrator privileges.

Change Port for Jenkins in Windows

If you have the Jenkins application installed on a Windows system, changing the Jenkins port number requires editing the ***jenkins.xml*** configuration file. You can find this file in the Jenkins install folder (the default path is *C:\Program Files\Jenkins\jenkins.xml*).

Open the file using a text editor such as Notepad or Notepad++. Scroll down until you find the line that contains **`--httpPort=8080`** and change the number to the port you want to set.

For instance, changing to port 8081:

```
--httpPort=8081
```



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```
interactive flag causes the empty black Java window to be displayed.  
I'm still debugging this.  
<interactive />  
-->  
<logmode>rotate</logmode>
```

If you are using the WAR file version of Jenkins, use the following command in the command prompt to change the port number:

```
java -jar jenkins.war --httpPort=[port number]
```

Continuing with our example, to change the port number to 8081, use:

```
java -jar jenkins.war --httpPort=8081
```



Note: If you are using HTTPS with Jenkins, use **java -jar jenkins.war --httpsPort=[port number]** to change the port in the command prompt.

Both methods require you to restart the Jenkins service for the changes to take effect. Press **Win+R** to open the Run window, then type "*services.msc*" and click **OK** to start the *Windows Services* window.

Scroll down until you find the **Jenkins** service. Right-click and select **Restart** to restart the service.

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Restart the service

Description:
Jenkins Automation Server

Service Name	Description	Status	Startup Type	Location
Internet Connection Sharin...	Provides ne...		Manual (Trig...	Local S
IP Helper	Provides tu...	Running	Automatic	Local S
IP Translation Configuration...	Configures ...		Manual (Trig...	Local S
IPsec Policy Agent	Internet Pro...		Manual (Trig...	Netwo
Jenkins	Jenkins Aut...	Running	Automatic	Local S
KtmRm	ordinates...		Manual (Trig...	Netwo
Langua	vides inf...		Manual	Local S
Link-La	ates a N...		Manual	Local S
Local P	service ...		Manual (Trig...	Local S
Local S	e Windo...	Running	Automatic	Local S
Messag	ice sup...		Manual (Trig...	Local S
Micros	agnostics ...		Manual	Local S
Micros	oles use...		Manual (Trig...	Local S
Micros	pages A...		Disabled	Local S
Micros	ports int...		Manual	Netwo
Micros	os guard...		Manual	Local S
Micros	os prote...		Manual	Local S
Microsoft Edge Elevation Se...	Keeps Micr...		Manual	Local S
Microsoft Edge Update Serv...	Keeps your ...		Automatic (...)	Local S
Microsoft Edge Update Serv...	Keeps your ...		Manual	Local S

Start
Stop
Pause
Resume
Restart
All Tasks
Refresh
Properties
Help



Note: Changing the port number affects the Jenkins URL when accessing the Jenkins dashboard from your web browser. The new Jenkins URL combines your system's hostname and the new port number. Using the example above, the new Jenkins URL would be `http://localhost:8081/`.

Change Port for Jenkins in Linux

1. Start by opening the Jenkins configuration file with:

```
sudo nano /etc/default/jenkins
```

2. Scroll down until you find the following lines:

```
# port for HTTP connector (default 8080; disable with -1)
HTTP_PORT=8080
```

3. Edit the second line to include the port number you want to specify. For instance:

```
HTTP_PORT=8081
```

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4. Press **Ctrl+X**, then type **Y** and press **Enter** to save the changes you made.
5. [Restart the Jenkins service](#) to confirm the changes:

```
sudo systemctl restart jenkins
```

Change Port for Jenkins in MacOS

1. To change the default Jenkins port number in MacOS, edit the Jenkins configuration file with:

```
sudo defaults write /Library/Preferences/org.jenkins-ci http  
Port [port number]
```

2. For example, changing to port 8081:

```
sudo defaults write /Library/Preferences/org.jenkins-ci http  
Port 8081
```

3. Restart the Jenkins service for the changes to take effect using the following commands:

```
sudo launchctl unload /Library/LaunchDaemons/org.jenkins-ci.  
plist  
sudo launchctl load /Library/LaunchDaemons/org.jenkins-ci.pl  
ist
```

Conclusion

After reading this article, you should be able to change the default port number for Jenkins to the one that best suits your needs.

Next, you might want to look into reusable [Jenkins environment variables](#).