

Installing Jenkins

Table of Contents

1 System requirement
2 Unix/Linux Installation
3 Windows Installation
4 Installation Wizard
5 Jenkins Offline Installation
6 Case Studies

System requirement

Jenkins requires Java7 or above to function. Java8 is recommended. Jenkins requires a fair amount of memory to operate well. Smaller installations should start around 256MB-1GB.

Unix/Linux Installation

Jenkins has native integrations with the following OSes. See respective sections for how to make Jenkins run in the background automatically:

- [Installing Jenkins/Hudson as Solaris 10 service](#)
- [Installing Jenkins on Ubuntu](#)
- [Installing Jenkins on Red Hat Distributions](#)
- [Installing Jenkins as a Unix daemon](#)
- [Installing Jenkins with Docker](#)

Alternatively, if you have a servlet container that supports Servlet 3.1, such as Glassfish v4, Tomcat 8 (or any later versions), then you can run them as services, and deploy `jenkins.war` as you would any other war file. [Container specific](#) documentation is available if you choose this route.

[Top of page](#)

Windows Installation

If you're running on Windows it is good to run Jenkins as a service so it starts up automatically without requiring a user to log in. The easiest way is to run the Windows installer, linked from Jenkins' homepage. This also has the advantage of being easier to automate.

The manual way is to follow [Installing Jenkins as a Windows service](#). Alternatively, you can install a servlet container like GlassFish and Tomcat, which can run as a service by itself, and then deploy Jenkins to it.

Since Jenkins was written to work on unix-like platforms, some parts assume the presence of unix-utilities. It is advised to install these as well on Windows. Install [UnxUtils](#) (this includes a shell that seems to work with forward and backwards slashes and does globbing correctly) (UnxUtils does not download), put it in the Windows `PATH`, and copy `sh.exe` to `C:\bin\sh.exe` (or whichever drive you use) to make shebang lines work. This should get you going. If UnxUtils gives you trouble (Fork Failed Errors), try [Win-Bash](#).

- [Installing Jenkins as a Windows service](#)

[Top of page](#)

Installation Wizard

TODO. This feature is under development.

Jenkins Offline Installation

See details.

Case Studies

Also, see how other people are deploying Jenkins/Hudson to get some idea of how to make it fit your environment.

- [How I setup Git, Gerrit, Jenkins, Nginx for 1 master with linux, windows, mac slaves for Continuous Delivery of Cpp builds and tests.](#)
- [Case study of Sven Reimers](#)
- [Case study of Kohsuke Kawaguchi](#)

- Case study of Rhett Sutphin
- Case study of Ned Collyer
- Case Study of Arnaud Lacour
- Case Study of JBoss
- we'd love to list yours here. Please talk to us.

Top of page