

Distributed builds

[:Distributed builds](#)

Jenkins"/" ""1 Jenkins /

"/"

Contents

- [Contents](#)
- [?](#)
- - [ssh](#)
 - [Windows](#)
 - [Jenkins](#)
 - [Java Web Start](#)
 - [Other Requirements /](#)
- [: Unix](#)
- [/](#)
- [/](#)
- [/](#)
- [/](#)
- [/](#)

?

Jenkins""
Jenkins"/" Jenkins"/"
HTTP

Jenkins"slave agent" Jenkins(TCP/IP)

/

Jenkins
javadoc

[Step by step guide to set up master and slave machines](#)

OS

ssh

JenkinsSSHsshdUnixUnixsshd
Jenkins""(ssh) ~/.ssh/authorized_keys (sshHowto)
Jenkins
[\[Where is this documented?\]](#)

Unix

Windows

Windows.JenkinsWindows2000(WMI+DCOM)
JenkinsWindows/

Windows(GUI)

: /

Jenkins

SSHRSH(Windowscygwinpsexec) Jenkins

Jenkins java -jar slave.jar "ssh *myslave* java -jar ~/bin/slave.jar"
(JenkinsJenkins).

slave.jar <http://yourserver:port/jnlpJars/slave.jar>
160KBjar() slave.jar [SSH Slaves](#)SSH SlavesJenkins slave.jar



slave.jar

Jenkins slave.jar slave.jar

(Windows)()JenkinsWeb

Java Web Start

1Java Web Start (JNLP) JenkinsJNLPJava Web Start

WindowsJNLP[Windows](#)

Windows (GUI) ()
JenkinsJNLP()

GUIJava Web StartUnix
JNLP slave.jar :

```
$ java -jar slave.jar -jnlpUrl http://yourserver:port/computer/slave-name/slave-agent.jnlp
```

"slave-name"

Other Requirements /

non-trivial ()
JDKAntCVSJenkins()

: Unix

SunJenkins
JenkinsSPARC SolarisSPARC SolarisOpteron LinuxWindows

- jenkins jenkins SIDGID(NIS)
Jenkins
- jenkins /var/jenkins
- SSHDWindowssygwinsshd
- NTPNTP
- /var/jenkins 23AntMavenJDK JDKJDK:

```

/var/jenkins
+- .ssh
+- bin
| +- slave ( )
+- workspace (Jenkins)
+- tools
  +- ant-1.5
  +- ant-1.6
  +- maven-1.0.2
  +- maven-2.0
  +- java-1.4 -> native/java-1.4 ( )
  +- java-1.5 -> native/java-1.5 ( )
  +- native -> solaris-sparcv9 ( ; )
  +- solaris-sparcv9
  | +- java-1.4
  | +- java-1.5
+- linux-amd64
  +- java-1.4
  +- java-1.5

```

- /var/jenkins.ssh/authorized_keys SSH
- /var/jenkins rsync(/var/jenkins/workspace)
- /var/jenkins/bin/launch-slave Jenkins PATH slave.jar

```

#!/bin/bash

JAVA_HOME=/opt/SUN/jdk1.6.0_04
PATH=$PATH:$JAVA_HOME/bin
export PATH
java -jar /var/jenkins/bin/slave.jar

```

- svn csv

Jenkins:

- 1.
2. Jenkins
3. Jenkins(AB22)

()

/

Jenkins/Jenkins/

/Jenkins

()
2:

- IPJenkins
- JNLPNAT

()
()Build publisher plugin

Windows

-
- JenkinsJenkins2

Windows:

- Jenkins(e.g. jenkins-slave-a)
- JNLP
- jenkins-slave.exejenkins-slave.xml
- WindowsJenkins
- Shell(DOS)
- "jenkins-slave.exe uninstall"JNLP
- jenkins-slave.xml IDIDjenkins-slave-a Jenkins Slave A
- "jenkins-slave.exe install"Windows
Jenkins
-
- : URLjenkins-slave.xml <arguments/>JnlpURL

2FS2()JenkinsWindows

Windows():

- DCOMWindows
- SSHWindows
- JNLPWindows

:

1. /Jenkins()
1. ()
1. telnet () binary-unsafe slave.jar -text Jenkins
1. JenkinsJenkinsJenkinsWindowsJenkins
1. [ML](#)

- Jenkins Build Farm Experience [Volume 1](#), [Volume 2](#), [Volume 3](#) and [Volume 4](#)
- HudsonWindowsSlavesSetup
[\http://community.jboss.org/wiki/HudsonWindowsSlavesSetup