# Jenkins 2.x

## 下载安装

下载 war 包

java -jar jenkins.war

需要 java 11 or 17

## 密码

C:\Users\zhouh\.jenkins\secrets\initialAdminPassword

右上角 admin -> 设置 -> 修改密码为 admin

## Github上的shell脚本项目，提交代码后，Jenkins自动构建，将代码部署到多台 Linux 机器

> 如果直接触发式构建，由于Github无法和本地Jenkins通信，所以降级为手动构建，如果需要自动构建，可用Gitlab或Jenkins部署在外网服务器。

> 每个项目都会有自己的工作空间，其实就是项目的工作目录 例如 C:\Users\zhouh\.jenkins\workspace\Test 工作空间也可以自定义为本地代码项目位置

1. 安装插件

Manage Jenkins -> 插件管理 -> Available Plugins

https://plugins.jenkins.io/publish-over-ssh/

这个插件能够通过ssh发送文件，在远程机器上执行命令， ...

2. 配置多台Linux机器

Dashboard -> Manage Jenkins -> Configure System -> Publish Over SSH

add SSH Servers

192.168.1.205 192.168.1.205 root -> 高级 Use password authentication, or use a different key -> root -> Remote Directory -> / (基础目录，传输文件的根目录)

Test Configuration -> success

192.168.1.206 192.168.1.206 root -> 高级 Use password authentication, or use a different key -> root -> Remote Directory -> / (基础目录，传输文件的根目录)

Test Configuration -> success

保存

3. 创建并配置项目

新建Item -> 项目名 Test -> Freestyle Project -> 确定

源码管理 -> Git -> Repository URL -> git@github.com:zhouhuajian-course/software-manual.git -> 指定分支（为空时代表any）-> \*/main

Build Steps -> Send files or execute commands over SSH

第一台 192.168.1.205 -> 高级 -> Verbose output in console -> Transfer Set Source files -> test/\*.sh -> Remove prefix -> test -> Remote directory -> /opt

Add Server

第二台 192.168.1.206 -> 高级 -> Verbose output in console -> Transfer Set Source files -> test/\*.sh -> Remove prefix -> test -> Remote directory -> /opt

保存

4. 构建项目

Build Now

```

Started by user admin

Running as SYSTEM

Building in workspace C:\Users\zhouh\.jenkins\workspace\Test1

The recommended git tool is: NONE

No credentials specified

> git.exe rev-parse --resolve-git-dir C:\Users\zhouh\.jenkins\workspace\Test1\.git # timeout=10

Fetching changes from the remote Git repository

> git.exe config remote.origin.url git@github.com:zhouhuajian-course/software-manual.git # timeout=10

Fetching upstream changes from git@github.com:zhouhuajian-course/software-manual.git

> git.exe --version # timeout=10

> git --version # 'git version 2.36.0.windows.1'

> git.exe fetch --tags --force --progress -- git@github.com:zhouhuajian-course/software-manual.git +refs/heads/\*:refs/remotes/origin/\* # timeout=10

> git.exe rev-parse "refs/remotes/origin/main^{commit}" # timeout=10

Checking out Revision b7968ab67afa5ee30d2ba21964ba6808e0c32431 (refs/remotes/origin/main)

> git.exe config core.sparsecheckout # timeout=10

> git.exe checkout -f b7968ab67afa5ee30d2ba21964ba6808e0c32431 # timeout=10

Commit message: "Update Jenkins2.x.md"

> git.exe rev-list --no-walk b7968ab67afa5ee30d2ba21964ba6808e0c32431 # timeout=10

SSH: Connecting from host [HP笔记本]

SSH: Connecting with configuration [192.168.1.205] ...

SSH: Creating session: username [root], hostname [192.168.1.205], port [22]

SSH: Connecting session ...

SSH: Connected

SSH: Opening SFTP channel ...

SSH: SFTP channel open

SSH: Connecting SFTP channel ...

SSH: Connected

SSH: cd [/]

SSH: OK

SSH: cd [/]

SSH: OK

SSH: cd [opt]

SSH: OK

SSH: put [test.sh]

SSH: OK

SSH: Disconnecting configuration [192.168.1.205] ...

SSH: Transferred 1 file(s)

SSH: Connecting from host [HP笔记本]

SSH: Connecting with configuration [192.168.1.206] ...

SSH: Creating session: username [root], hostname [192.168.1.206], port [22]

SSH: Connecting session ...

SSH: Connected

SSH: Opening SFTP channel ...

SSH: SFTP channel open

SSH: Connecting SFTP channel ...

SSH: Connected

SSH: cd [/]

SSH: OK

SSH: cd [/]

SSH: OK

SSH: cd [opt]

SSH: OK

SSH: put [test.sh]

SSH: OK

SSH: Disconnecting configuration [192.168.1.206] ...

SSH: Transferred 1 file(s)

Build step 'Send files or execute commands over SSH' changed build result to SUCCESS

Finished: SUCCESS

```