

安装JDK

新版的jenkins需要jdk的最低版本为11

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User Handbook

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- Using Build Tools

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- Pipeline Steps reference
- LTS Upgrade guides

Java requirements

There are separate run and job execution requirements for Jenkins installations.

Running Jenkins system

Jenkins requires Java 11 or 17 since Jenkins 2.357 and LTS 2.361.1 [Read more about this in the announcement blog post.](#)



Upgrading Java version to 11

Upgrading an existing Jenkins setup from Java 8 to Java 11? Refer to the [upgrade guidelines](#).

Running Jenkins on Java 11 in Docker

Java 11 Docker installation instructions are included in "Downloading and running Jenkins in Docker". Alternatively, the Docker image allows you to run the Jenkins controller on Java 17, `jenkins/jenkins-jdk17`

All other Java versions are not supported.

These requirements apply to all components of the Jenkins system, including the Jenkins controller, all types of agents, CLI clients, and other components.

The Jenkins project performs a full test flow with the following JDK/JREs:

- OpenJDK JDK / JRE 11 - 64 bits
- OpenJDK JDK / JRE 17 - 64 bits

JRE/JDKs from other vendors are supported and may be used. Refer to [our issue tracker](#) for known Java compatibility issues. Jenkins maintainers actively test [HotSpot based Java virtual machines](#) like those from OpenJDK, Eclipse Temurin, and Amazon Corretto. Jenkins maintainers do not test [Eclipse OpenJ9 based Java virtual machines](#). The Platform SIG stopped its work on OpenJ9 based Java virtual machines in August 2021.

Running Java-based tools and builds on Jenkins

The version of the JDK used to build Java-based projects, or the version of Java used to run Java-based tools is independent from the version of Java used to run the Jenkins controller and agent processes. During a build, any version of the JRE or JDK can be launched as long as it's compatible with the system the build is running on. This includes:

下载地址

[Java Archive Downloads - Java SE 11 \(oracle.com\)](#)

Operating System	File Size	Download Link
macOS Arm 64 Compressed Archive	153.70 MB	jdk-11.0.17_macos-aarch64_bin.tar.gz
macOS Arm 64 DMG Installer	153.19 MB	jdk-11.0.17_macos-aarch64_bin.dmg
macOS x64 Compressed Archive	155.83 MB	jdk-11.0.17_macos-x64_bin.tar.gz
macOS x64 DMG Installer	155.32 MB	jdk-11.0.17_macos-x64_bin.dmg
Solaris SPARC Compressed Archive	184.93 MB	jdk-11.0.17_solaris-sparcv9_bin.tar.gz
Windows x64 Installer	140.79 MB	jdk-11.0.17_windows-x64_bin.exe
Windows x64 Compressed Archive	158.43 MB	jdk-11.0.17_windows-x64_bin.zip

安装Jenkins

下载地址[Jenkins download and deployment](#)

← → ↻ 🏠 https://www.jenkins.io/download/

Jenkins cd Blog Documentation ▾ Plugins Commu

[Changelog](#) | [Upgrade Guide](#) | [Past Releases](#) [Changelog](#) | [Past Releases](#)

Downloading Jenkins

Jenkins is distributed as WAR files, native packages, installers, and Docker images. Follow these installation steps:

1. Before downloading, please take a moment to review the [Hardware and Software requirements](#) section of the User Handbook.
2. Select one of the packages below and follow the download instructions.
3. Once a Jenkins package has been downloaded, proceed to the [Installing Jenkins](#) section of the User Handbook.
4. You may also want to verify the package you downloaded. [Learn more about verifying Jenkins downloads.](#)

Download Jenkins 2.387.2 LTS for:

Generic Java package (.war)
SHA-256: 5e39cb06d9b9eb18a3218b45a07c6bbb801fb353b774eb5bf7749f891b500ca9 📄

Docker

Kubernetes

Ubuntu/Debian

Red Hat/Fedora/Alma/Rocky/CentOS

Windows

openSUSE

FreeBSD 📄

Gentoo 📄

macOS 📄

OpenBSD 📄

OpenIndiana Hipster 📄

Download Jenkins 2.400 for:

Generic Java package (.war)
SHA-256: d22016eff561dbaff469ab1dbf3b437f4d89e65

Docker

Ubuntu/Debian

Red Hat/Fedora/Alma/Rocky/CentOS

Windows

openSUSE

Arch Linux 📄

FreeBSD 📄

Gentoo 📄

macOS 📄

OpenBSD 📄

OpenIndiana Hipster 📄

输入服务器的登录账号及密码点击测试凭证

Jenkins 2.387.2 Setup

Service Logon Credentials

Enter service credentials for the service.

Jenkins 2.387.2 installs and runs as an independent Windows service. To operate in this manner, you must supply the user account credentials for Jenkins 2.387.2 to run successfully.

Logon Type:

☐ Run service as LocalSystem (not recommended)

☒ Run service as local or domain user:

Account:

Password:

Test Credentials ⚠ Credentials must be tested to continue

Back Next Cancel

弹出以下提示

Service Logon Credentials

Enter service credentials for the service.

Jenkins



Jenkins 2.387.2 installs and runs as an independent Windows service. To operate in this manner, you must supply the user account credentials for Jenkins 2.387.2 to run successfully.

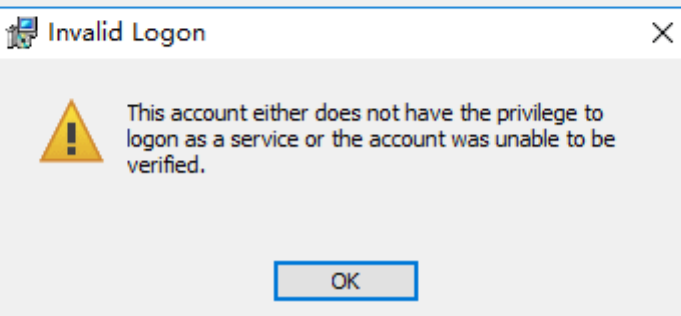
Logon Type:

- ☐ Run service as LocalSystem (not recommended)
- ☒ Run service as local or domain user:

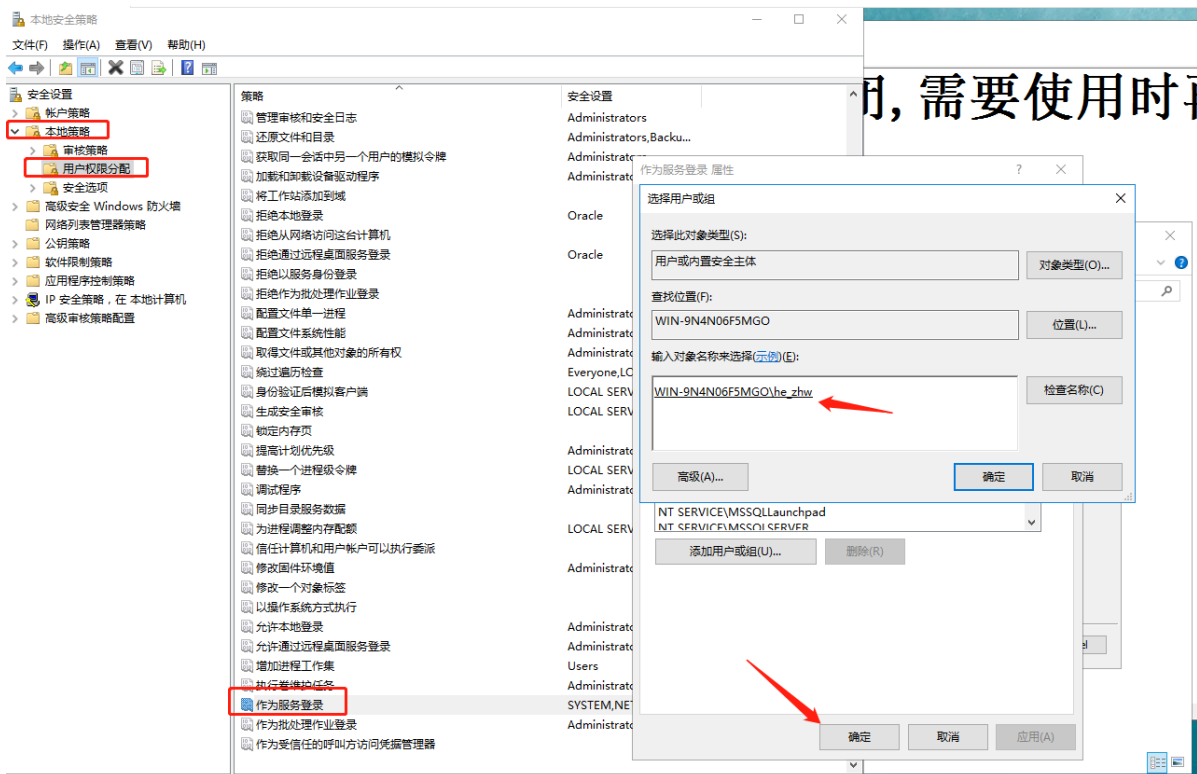
Account: he_zhw

Password:

Test



在本地安全策略将登录用户添加到作为服务登录



再次测试即可成功

Jenkins 2.387.2 Setup

Service Logon Credentials

Enter service credentials for the service.

Jenkins 2.387.2 installs and runs as an independent Windows service. To operate in this manner, you must supply the user account credentials for Jenkins 2.387.2 to run successfully.

Logon Type:

☐ Run service as LocalSystem (not recommended)

☒ Run service as local or domain user:

Account:

Password:

✓

修改监听端口为8888,默认是8080端口

Jenkins 2.387.2 Setup

Port Selection

Choose a port for the service.

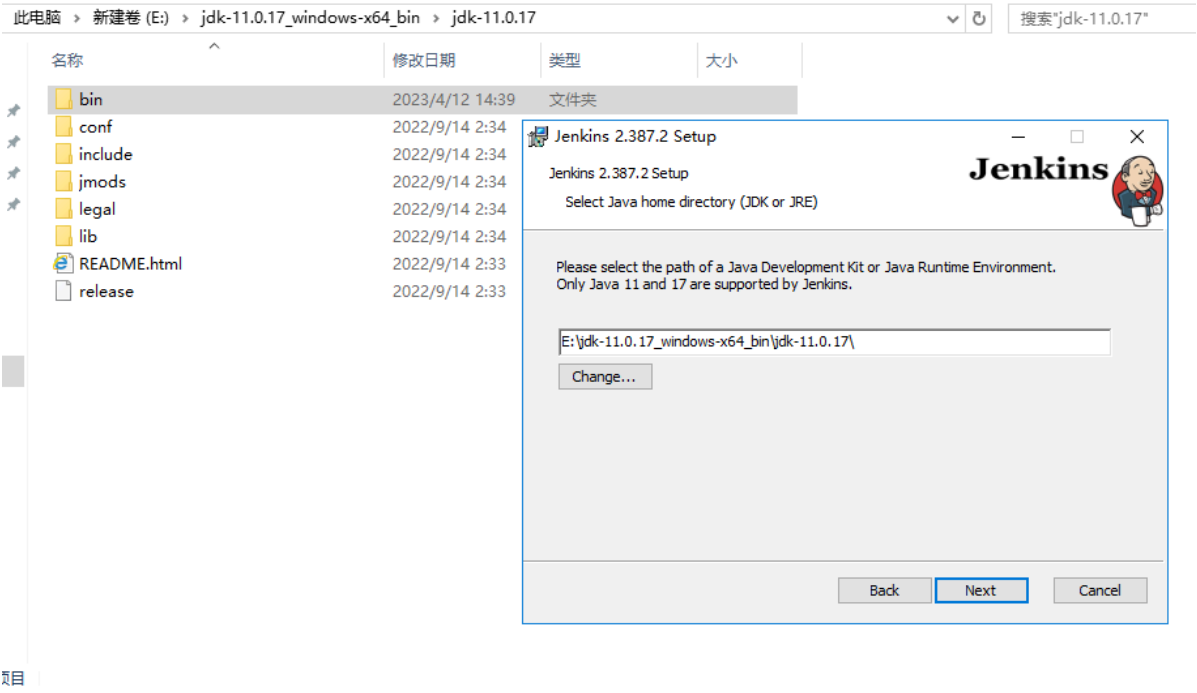
Please choose a port.

Port Number (1-65535):

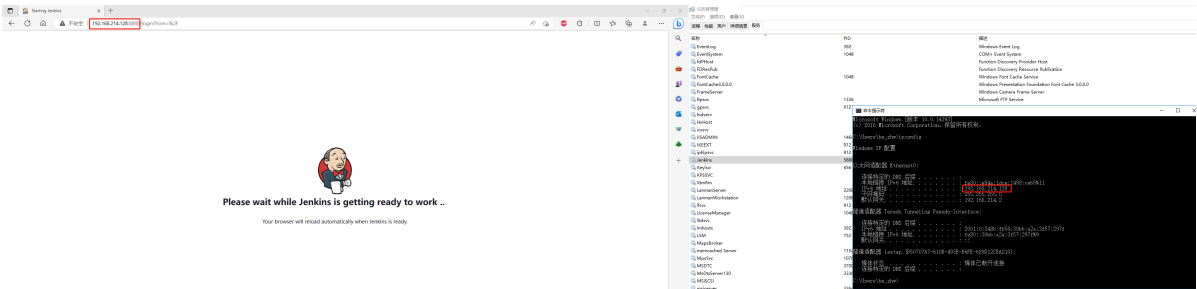
✓

It is recommended that you accept the selected default port.

选择Jdk主目录

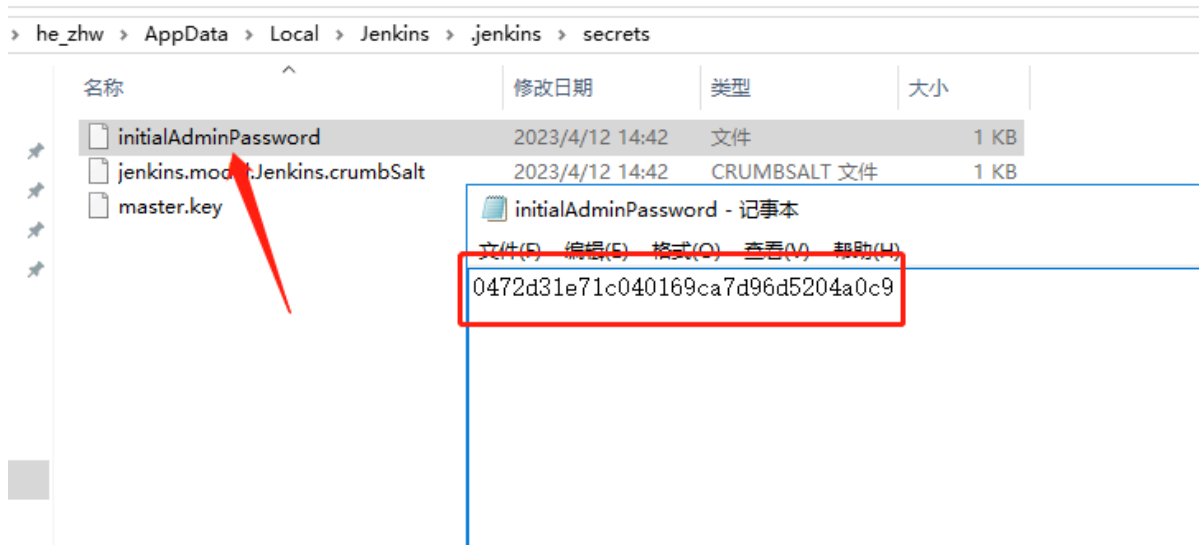


安装成功后输入以下地址即可访问



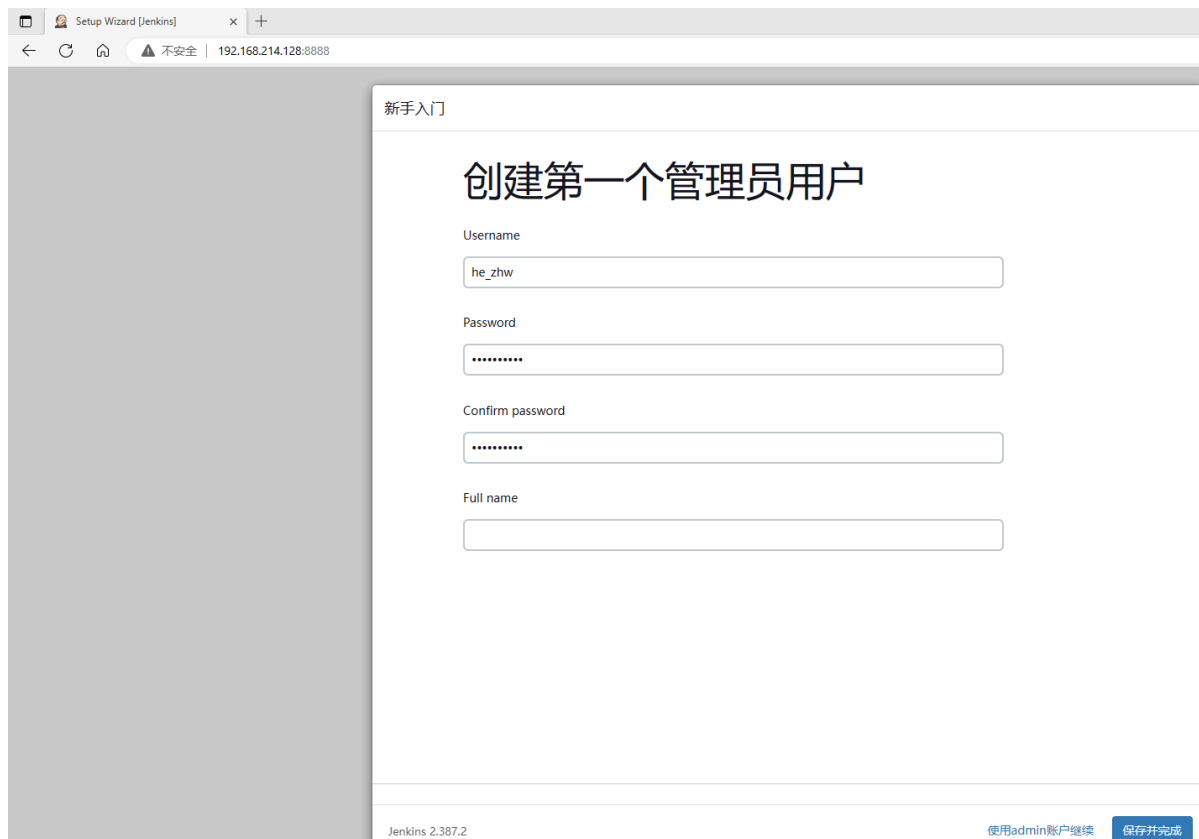
根据提示去服务器对应路径下打开对应文件查询密码





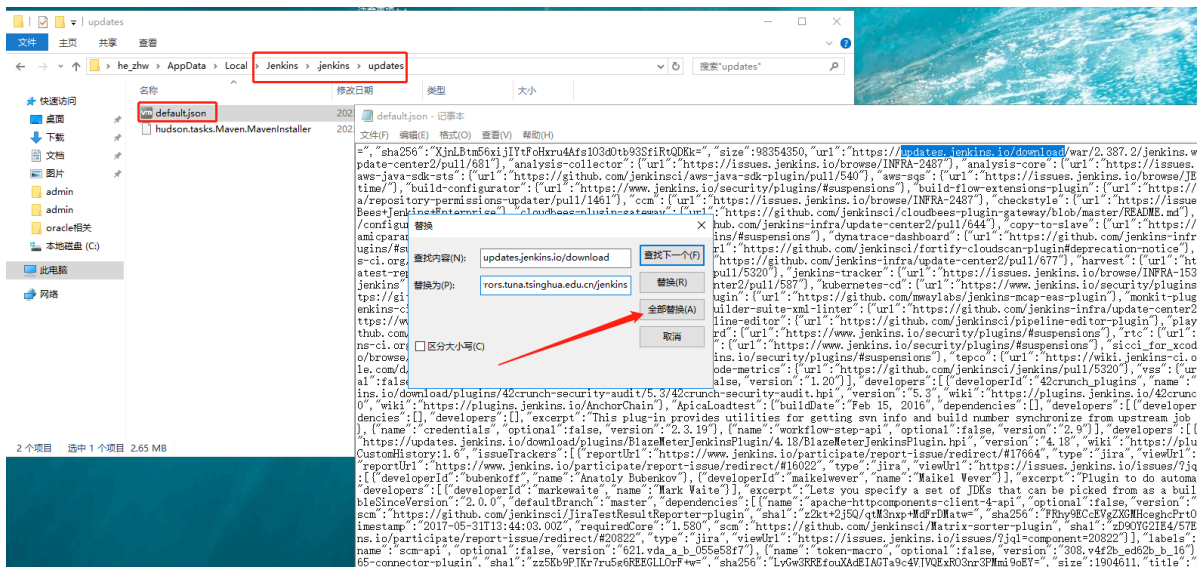
创建一个用户

he_zhw/he_zhw@123

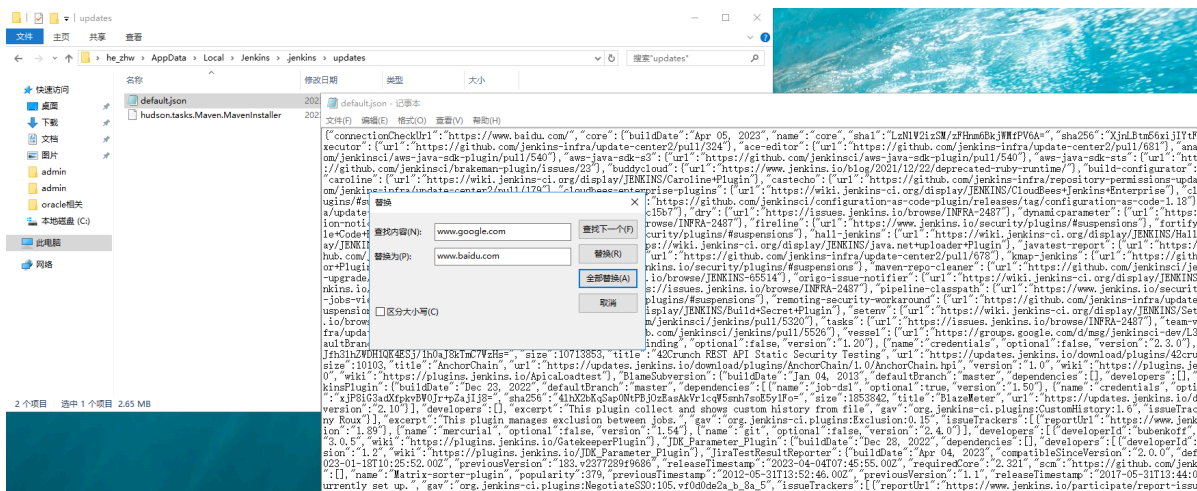


配置国内插件镜像

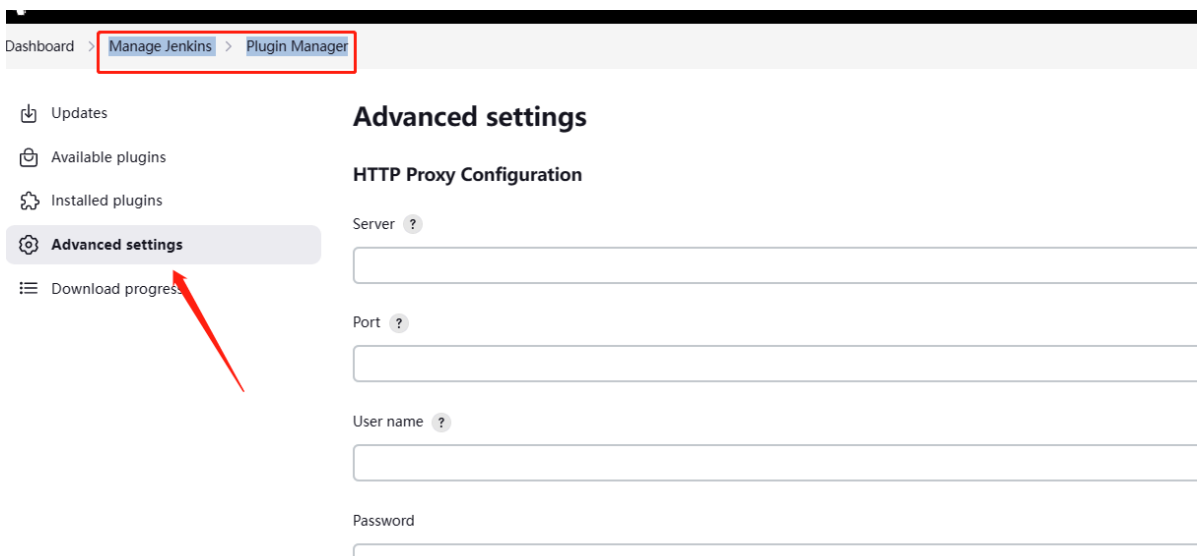
将default中的updates.jenkins.io/download全部替换为mirrors.tuna.tsinghua.edu.cn/jenkins



把www.google.com换成www.baidu.com



在菜单将改成国内镜像链接



← ↻ 🏠 不安全 | 192.168.214.128:8888/manage/pluginManager/advanced

Dashboard > Manage Jenkins > Plugin Manager

Advanced ▾

Submit

Deploy Plugin

You can select a plugin file from your local system or provide a URL to install a plugin from outside the central plugin repository.

File

📁 选择文件 未选择文件

Or

URL

Deploy

Update Site

URL

https://mirrors.tuna.tsinghua.edu.cn/jenkins/updates/update-center.json

Submit

重启Jenkins

<http://192.168.214.128:8888/restart>

下载svn插件

注:Jenkins服务器上首先要先安装svn客户端

Dashboard > Manage Jenkins > 插件管理

📄 Updates

📁 Available plugins

📁 Installed plugins

⚙️ Advanced settings

Plugins

🔍 svn /

Install	Name ↓	Released
<input checked="" type="checkbox"/>	<div>Subversion 2.17.1</div> <div>Source Code Management</div> <div>This plugin adds Apache Subversion support (via SVNKit) to Jenkins.</div>	1 月 18 天 ago
<input type="checkbox"/>	<div>Last Changes 2.7.11</div> <div>This plugin reads the build workspace to generate VCS (git or svn) rich html diffs from current and previous revisions.</div>	1 年 3 月 ago
<input type="checkbox"/>	<div>SVN 1.4 Compatibility 1.1</div> <div>Source Code Management related</div> <div>This plugin forces the built-in SVNKit library to use the Subversion 1.4 working copy format.</div> <div>This plugin is deprecated. In general, this means that it is either obsolete, no longer being developed, or may no longer work. Learn more.</div>	11 年 ago
<input type="checkbox"/>	<div>Subversion Workspace Cleaner 1.1</div> <div>Build Wrappers Source Code Management related</div> <div>Automatically cleans up Subversion modules removed from Job configuration when enabled.</div>	8 年 7 月 ago
<input type="checkbox"/>	<div>Subversion Revert 279.va_77c7e060d51</div> <div>Source Code Management related Other Post-Build Actions</div> <div>This plugin automatically performs Subversion reverting when the build status changes to unstable or failed.</div>	3 月 12 天 ago

添加凭证

New credentials

类型

Username with password

范围 ?

Global (Jenkins, nodes, items, all child items, etc)

用户名 ?

mzj

☐ Treat username as secret ?

密码 ?

...

svn的账号和密码

ID ?

描述 ?

Create

配置项目

Dashboard > zdlyrealone > Configuration

Configure

General

源管理

构建触发器

Build Steps

构建后操作

☐ This project is parameterized ?
☐ 在必要的时候开发构建 ?
高级 ▾

源码管理

☐ 无
☒ Subversion ?

Modules

Repository URL ?
https://192.168.9.22/svn/zdlyrealone

Credentials
mzj/*****

添加

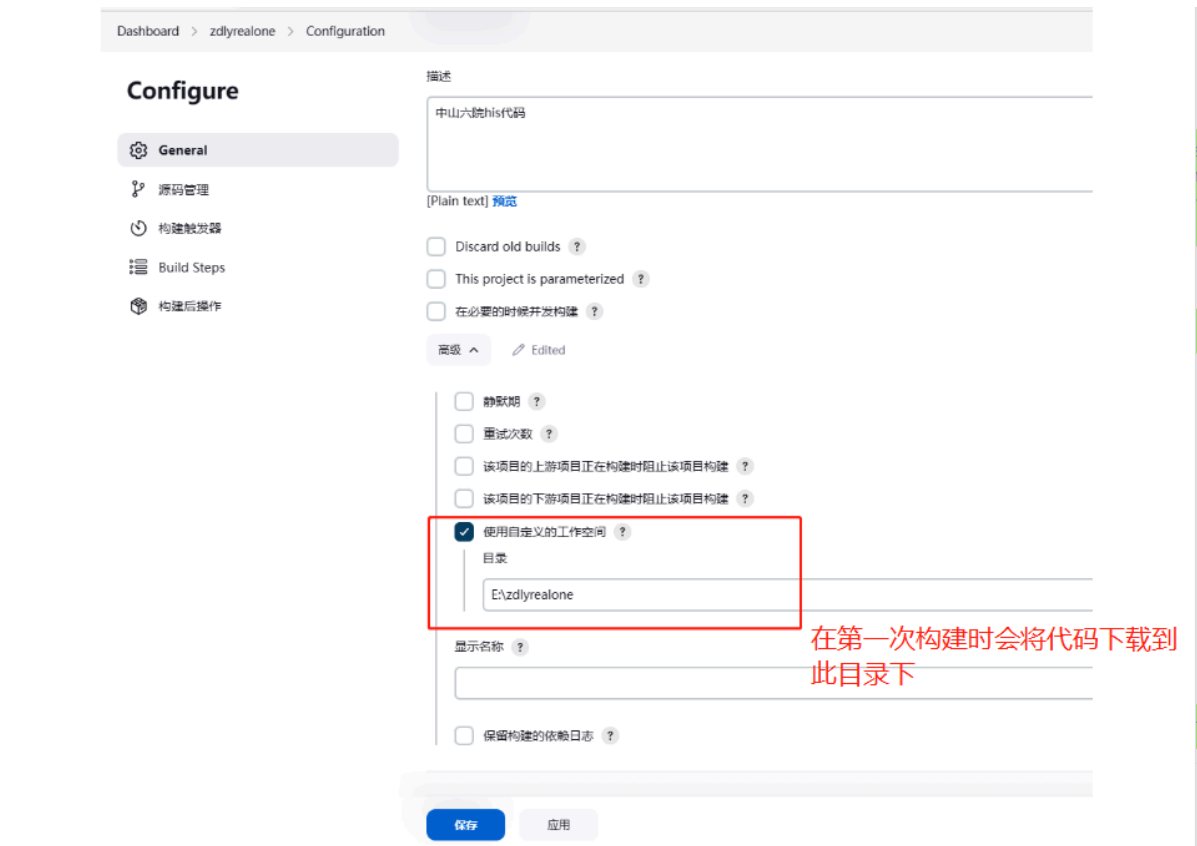
Local module directory ?
.

Repository depth ?
Infinity

Use external ?

保存 应用

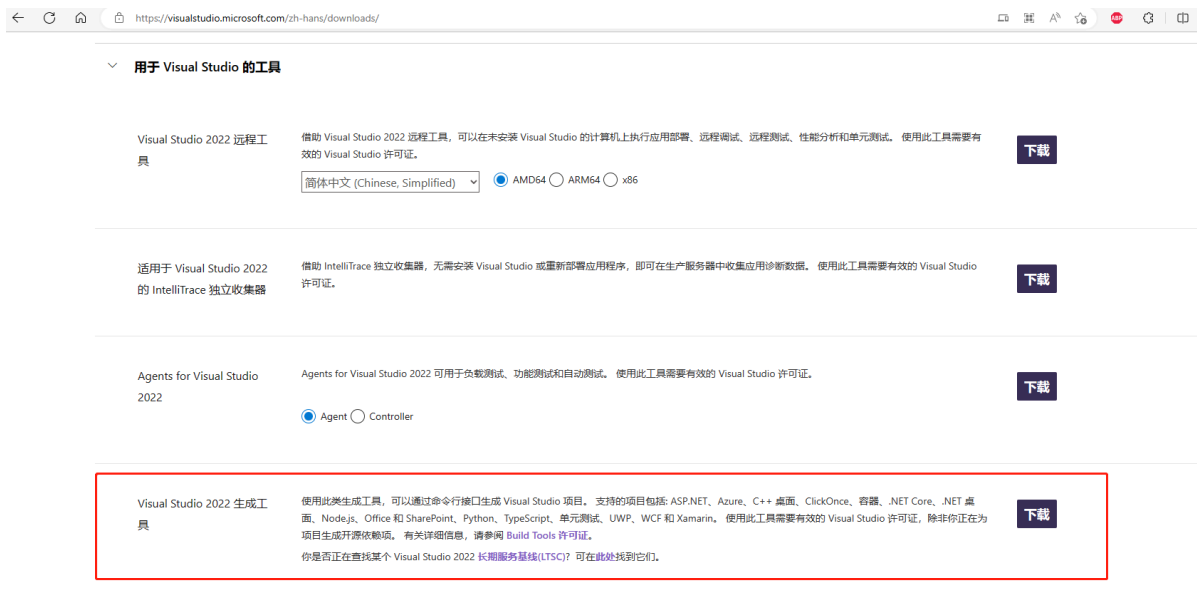
配置自定义的工作空间

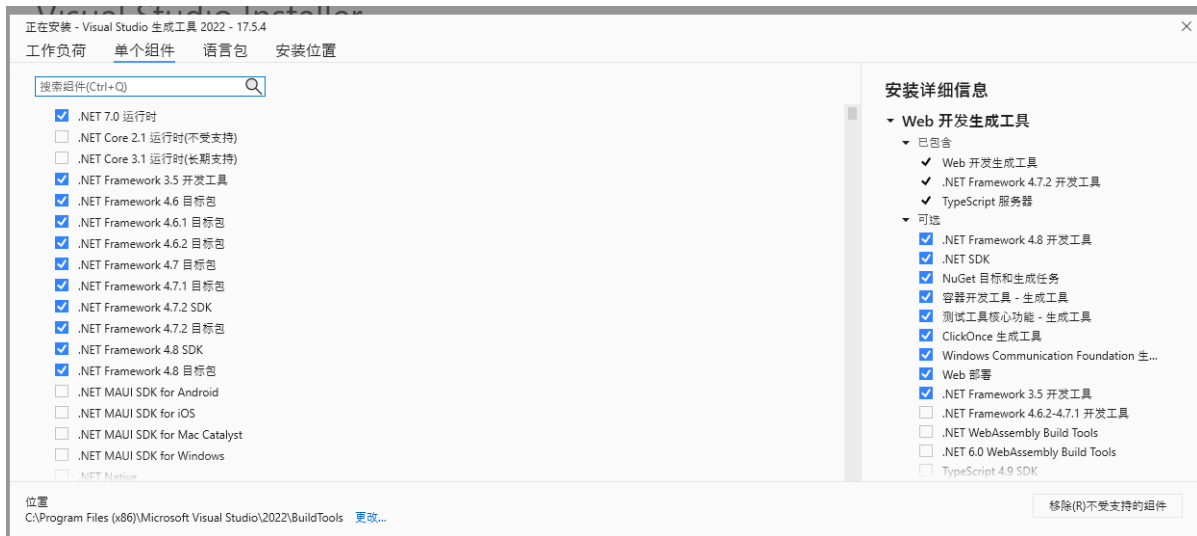
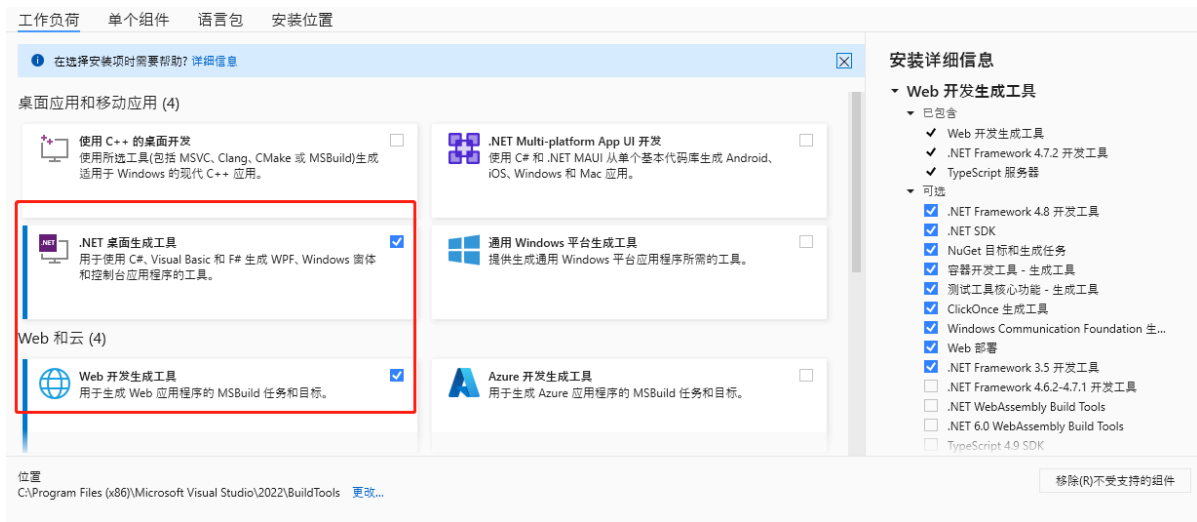


自动构建

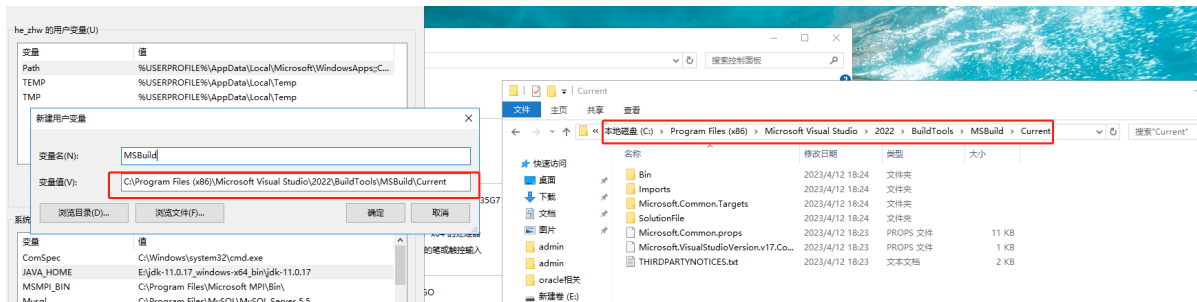
在Jenkins服务器安装msbuild

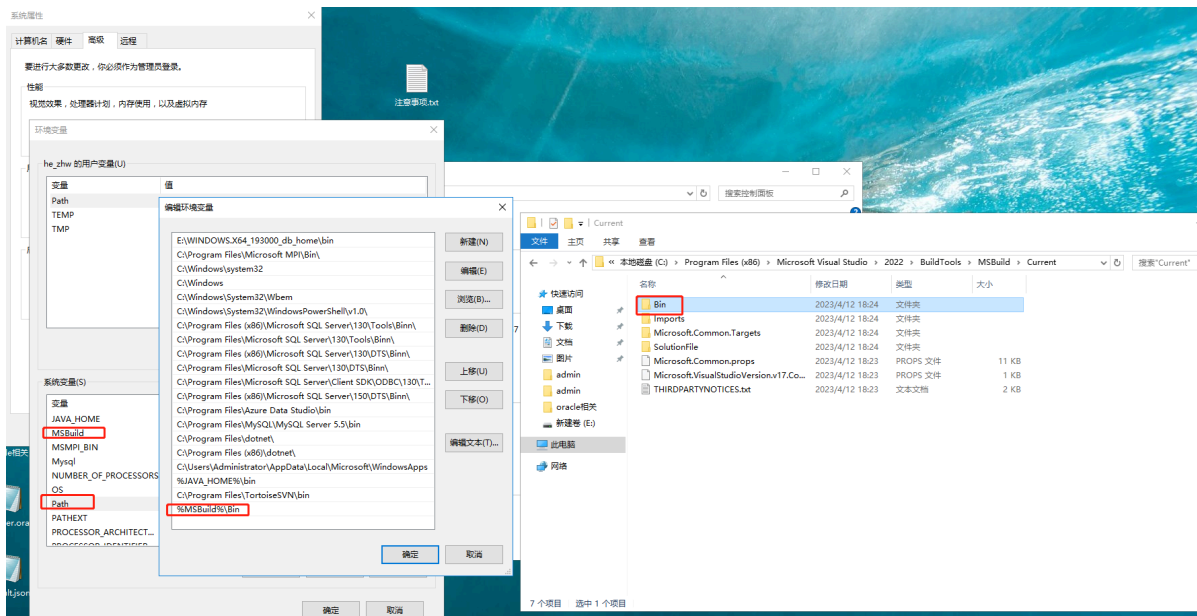
下载地址[下载 Visual Studio Tools - 免费安装 Windows、Mac、Linux \(microsoft.com\)](https://visualstudio.microsoft.com/zh-hans/downloads/)





配置msbuild环境变量





验证环境变量

命令提示符

```
Microsoft Windows [版本 10.0.14393]
(c) 2016 Microsoft Corporation。保留所有权利。

C:\Users\he_zhw>msbuild -version
MSBuild version 17.5.1+f6fdcf537 for .NET Framework
17.5.1.16304
C:\Users\he_zhw>
```

安装msbuild插件

Updates

Available plugins

Installed plugins

Advanced settings

Plugins

msbuild

Install Name

☒ MSBuild 1.30

.NET Development Build Tools

This plugin makes it possible to build a Visual Studio project (.proj) and solution files (.sln).

This plugin is up for adoption! We are looking for new maintainers. Visit our [Adopt a Plugin](#) initiative for more information.

Install without restart

Download now and install after restart

1天1小时之前获取了更新信息

立即获取