

Jenkins 环境

V1.0 版本 操作指南

西安金箍棒信息技术服务有限公司

西安市碑林区雁塔北路 67 号红锋商务大厦 4 层

目 录

一、商品说明	1
1、版本说明	1
2、安全加固	1
二、操作指南	1
1、Jenkins 环境信息	1
2、安全组开放相应的端口 8080	2
3、登录 Jenkins 服务器	3
4、Jenkins 配置信息	5
5、Jenkins 环境简单使用	6
6、常规错误如何排查	9
7、Jenkins 官方手册	10
三、技术支持	11
1、售后服务	11
2、服务范围	11

一、商品说明

1、版本说明

此镜像为 Jenkins 环境镜像，系统：Rockylinux（兼容 CentOS），更新时间 2024 年 8 月。您可以一键快速搭建自己的 Jenkins 环境服务器。

2、安全加固

为进一步提升云服务的安全性，我公司对镜像产品实施了全面的安全加固，共计完成 88 项基线加固措施。这些精细化的安全改进，不仅确保我们的镜像产品严格符合等保 2.0 的安全标准，更在防御外部攻击、内部漏洞修复、数据加密保护等多个安全维度上实现了显著增强，为您的数据的安全存储与业务的平稳运行提供坚实保障。选择我们的镜像产品，意味着您将获得一个经过深度安全加固、符合高标准安全要求的云端解决方案，让您的业务在安全的护航下稳健运行。

如您的业务环境有其他安全需求，请与客服联系，我们可为您提供一对一定制服务。

二、操作指南

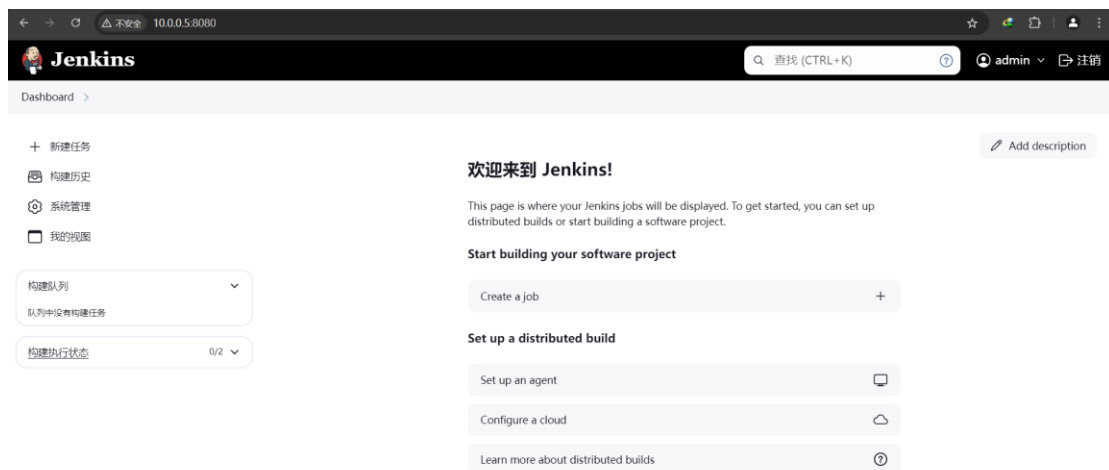
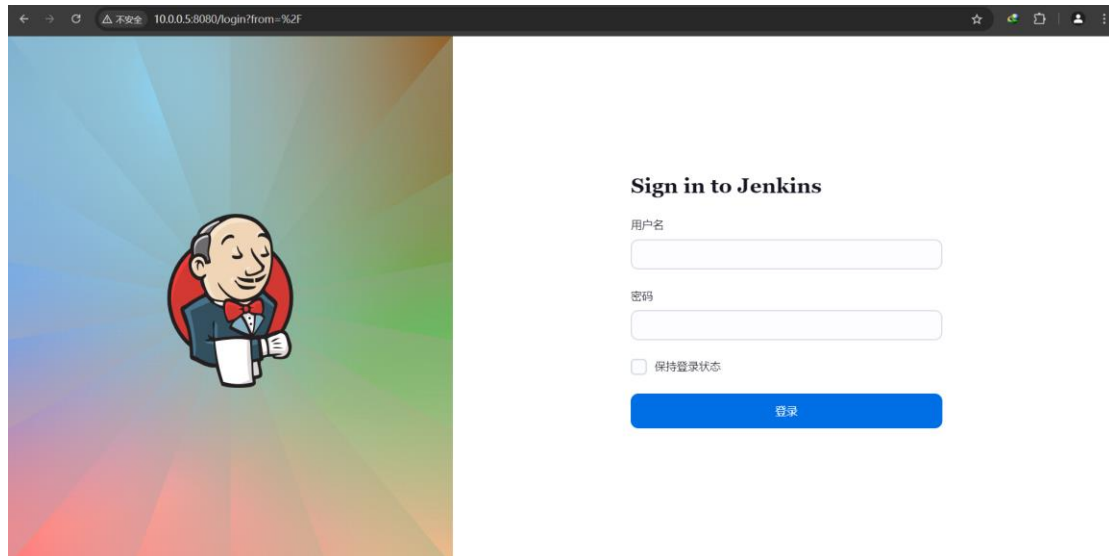
1、Jenkins 环境信息

wordpress 版本 2.48

外网地址：http://公网 IP:8080

用户名：admin

密码：123@.com

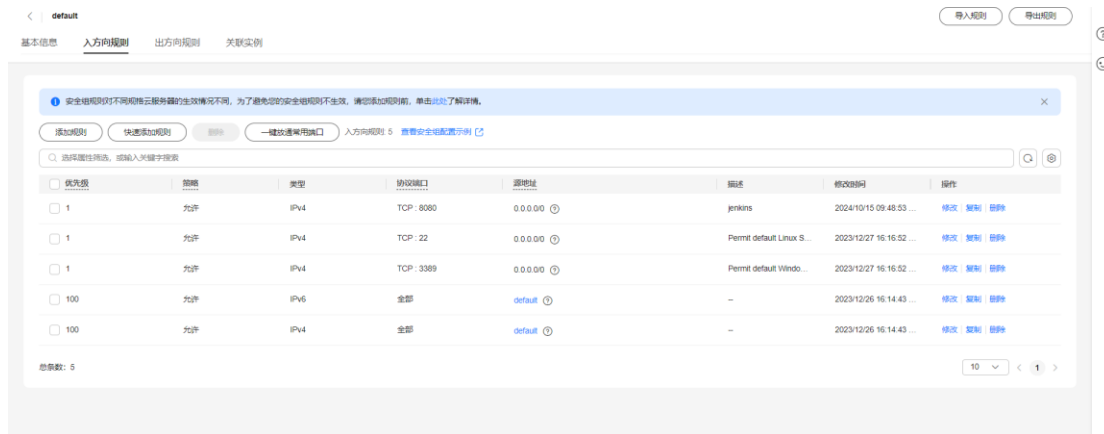


2、安全组开放相应的端口 8080

点击 ecs，点击安全组，入方向，手动添加



允许 TCP、端口 8080、允许所有 IPv4, 保存即可。

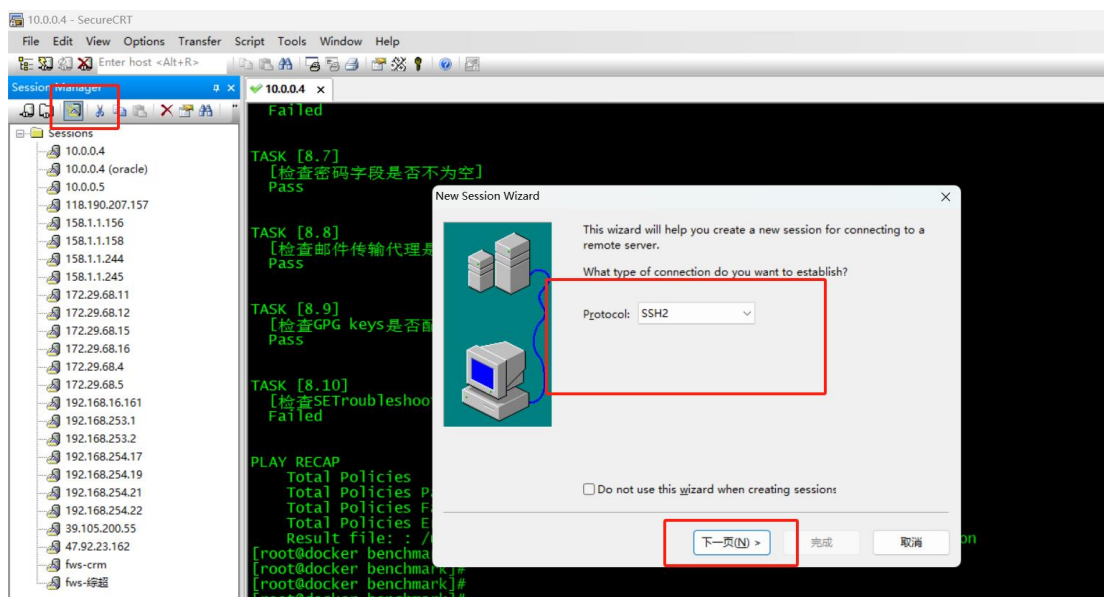


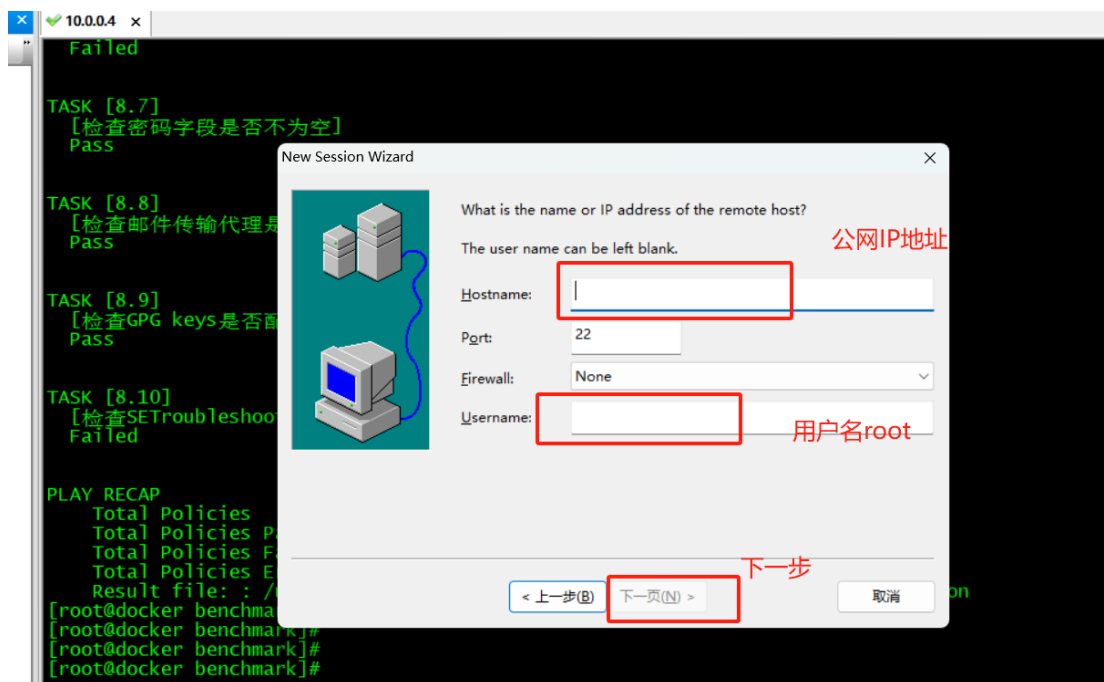
3、登录 Jenkins 服务器

修改 Jenkins 配置文件，登录服务器

使用 (Crt、putty、xshell 等远程工具进行链接)。

选择 ssh 协议、输入公网地址以及账户名密码，进行远程链接。



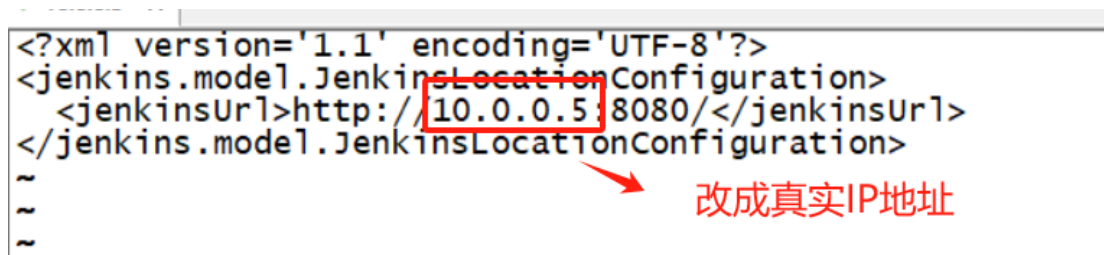


双击链接即可

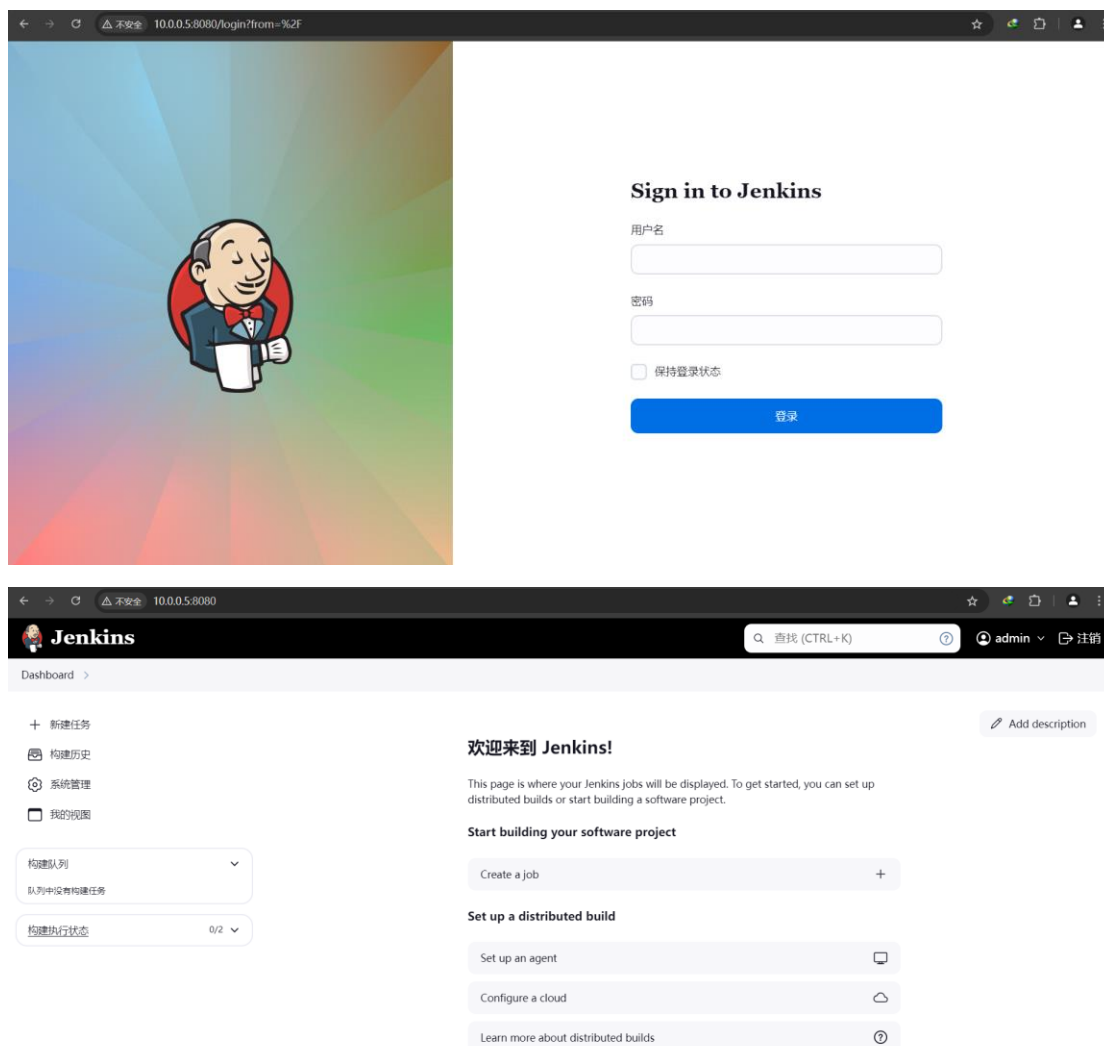
```
cd /var/lib/jenkins/
```

```
ll jenkins.model.JenkinsLocationConfiguration.xml
```

```
vi jenkins.model.JenkinsLocationConfiguration.xml
```



打开浏览器，输入链接地址。http://公网 IP:8080



面板包含（新建任务、构建历史、系统管理、我的视图、构建队列）

4、Jenkins 配置信息

Jenkins 安装位置

/var/lib/Jenkins

```
[root@jenkins ~]# cd /var/lib/jenkins/
[root@jenkins jenkins]# pwd
/var/lib/jenkins
[root@jenkins jenkins]# ll
total 60
-rw-r--r-- 1 jenkins jenkins 1762 Oct 16 09:45 config.xml
-rw-r--r-- 1 jenkins jenkins 156 Oct 16 09:45 hudson.model.UpdateCenter.xml
-rw-r--r-- 1 jenkins jenkins 1223 Oct 9 10:25 hudson.plugins.emailExt.ExtendedEmailPublisher.xml
-rw-r--r-- 1 jenkins jenkins 370 Oct 9 09:59 hudson.plugins.git.GitTool.xml
-rw-r--r-- 1 jenkins jenkins 1680 Oct 9 09:59 identity.key.enc
-rw-r--r-- 1 jenkins jenkins 5 Oct 16 09:45 jenkins.install.InstallUtil.lastExecVersion
-rw-r--r-- 1 jenkins jenkins 5 Oct 9 10:03 jenkins.install.UpgradeWizard.state
-rw-r--r-- 1 jenkins jenkins 179 Oct 9 10:37 jenkins.model.JenkinsLocationConfiguration.xml
-rw-r--r-- 1 jenkins jenkins 171 Oct 9 09:53 jenkins.telemetry.Correlator.xml
drwxr-xr-x 2 jenkins jenkins 6 Oct 9 09:53 jobs
drwxr-xr-x 2 jenkins jenkins 32 Oct 9 10:00 logs
-rw-r--r-- 1 jenkins jenkins 1037 Oct 16 09:45 nodeMonitors.xml
drwxr-xr-x 93 jenkins jenkins 8192 Oct 9 09:59 plugins
-rw-r--r-- 1 jenkins jenkins 258 Oct 14 14:25 queue.xml.bak
-rw-r--r-- 1 jenkins jenkins 64 Oct 9 09:53 secret.key
-rw-r--r-- 1 jenkins jenkins 0 Oct 9 09:53 secret.key.not-so-secret
drwx----- 2 jenkins jenkins 162 Oct 9 10:40 secrets
drwxr-xr-x 2 jenkins jenkins 149 Oct 14 09:55 updates
drwxr-xr-x 2 jenkins jenkins 24 Oct 9 09:53 userContent
drwxr-xr-x 3 jenkins jenkins 56 Oct 9 10:02 users
```

Jenkins 日志位置

/var/lib/jenkins/logs

```
[root@jenkins logs]# ll
total 4
-rw-r--r-- 1 jenkins jenkins 507 Oct 16 11:13 health-checker.log
[root@jenkins logs]# pwd
/var/lib/jenkins/logs
[root@jenkins logs]#
[root@jenkins logs]#
[root@jenkins logs]#
[root@jenkins logs]# pwd
/var/lib/jenkins/logs
[root@jenkins logs]# tail -f health-checker.log
Starting health checks at Wed Oct 16 11:14:39 CST 2024
Health check results at Wed Oct 16 11:14:39 CST 2024:
* disk-space: Result{isHealthy=true, duration=0, timestamp=2024-10-16T11:14:39.158+08:00}
* plugins: Result{isHealthy=true, message=No failed plugins, duration=0, timestamp=2024-10-16T11:14:39.158+08:00}
}
* temporary-space: Result{isHealthy=true, duration=0, timestamp=2024-10-16T11:14:39.158+08:00}
* thread-deadlock: Result{isHealthy=true, duration=0, timestamp=2024-10-16T11:14:39.159+08:00}
```

5、Jenkins 环境简单使用

执行如下命令

Jenkins 启动

systemctl start jenkins

```
[root@jenkins jenkins]# systemctl start jenkins
[root@jenkins jenkins]#
```

Jenkins 查询状态

systemctl status jenkins

```
[root@jenkins jenkins]#
[root@jenkins jenkins]# systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/usr/lib/systemd/system/jenkins.service; enabled; vendor preset: disabled)
   Active: active (running) since Wed 2024-10-16 09:45:07 CST; 1h 36min ago
     Main PID: 834 (java)
       Tasks: 45 (limit: 23596)
      Memory: 506.3M
      CGroup: /system.slice/jenkins.service
              └─834 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins
Oct 16 09:45:07 jenkins jenkins[834]: at hudson.PluginManager.doCheckUpdatesServer(PluginManager.java:21)
Oct 16 09:45:07 jenkins jenkins[834]: at jenkins.DailyCheck.execute(DailyCheck.java:93)
Oct 16 09:45:07 jenkins jenkins[834]: at hudson.model.AsyncPeriodicWork.lambda$doRun$0(AsyncPeriodicWork)
Oct 16 09:45:07 jenkins jenkins[834]: at java.base/java.lang.Thread.run(Thread.java:840)
Oct 16 09:45:07 jenkins jenkins[834]: 2024-10-16 01:45:07.377+0000 [id=48] INFO hudson.util.Retrie
Oct 16 09:45:07 jenkins jenkins[834]: 2024-10-16 01:45:07.381+0000 [id=48] INFO hudson.util.Retrie
Oct 16 09:45:07 jenkins jenkins[834]: 2024-10-16 01:45:07.383+0000 [id=48] SEVERE hudson.PluginMan
Oct 16 09:45:07 jenkins jenkins[834]: 2024-10-16 01:45:07.433+0000 [id=31] INFO jenkins.InitReacto
Oct 16 09:45:07 jenkins jenkins[834]: 2024-10-16 01:45:07.472+0000 [id=23] INFO hudson.lifecycle.L
Oct 16 09:45:07 jenkins systemd[1]: Started Jenkins Continuous Integration Server.
```

Jenkins 关闭

systemctl stop Jenkins

```
[root@jenkins jenkins]#
[root@jenkins jenkins]# systemctl stop jenkins
[root@jenkins jenkins]#
[root@jenkins jenkins]#
[root@jenkins jenkins]#
```

Jenkins 重启

systemctl restart Jenkins

```
[root@jenkins jenkins]# systemctl restart jenkins
[root@jenkins jenkins]#
[root@jenkins jenkins]#
[root@jenkins jenkins]#
[root@jenkins jenkins]# systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/usr/lib/systemd/system/jenkins.service; enabled; vendor preset: disabled)
   Active: active (running) since Wed 2024-10-16 11:24:10 CST; 10s ago
     Main PID: 2730 (java)
       Tasks: 53 (limit: 23596)
      Memory: 454.8M
      CGroup: /system.slice/jenkins.service
              └─2730 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/j

Oct 16 11:24:14 jenkins jenkins[2730]: at hudson.model.UpdateSite.updateDirectlyNow(UpdateSite.java:212)
Oct 16 11:24:14 jenkins jenkins[2730]: at hudson.PluginManager.checkUpdatesServer(PluginManager.java:216)
Oct 16 11:24:14 jenkins jenkins[2730]: at hudson.util.Retrier.start(Retrier.java:62)
Oct 16 11:24:14 jenkins jenkins[2730]: at hudson.PluginManager.doCheckUpdatesServer(PluginManager.java:2)
Oct 16 11:24:14 jenkins jenkins[2730]: at jenkins.DailyCheck.execute(DailyCheck.java:93)
Oct 16 11:24:14 jenkins jenkins[2730]: at hudson.model.AsyncPeriodicWork.lambda$doRun$0(AsyncPeriodicWork)
Oct 16 11:24:14 jenkins jenkins[2730]: at java.base/java.lang.Thread.run(Thread.java:840)
Oct 16 11:24:14 jenkins jenkins[2730]: 2024-10-16 03:24:14.962+0000 [id=48] INFO hudson.util.Retrier
Oct 16 11:24:14 jenkins jenkins[2730]: 2024-10-16 03:24:14.972+0000 [id=48] INFO hudson.util.Retrier
Oct 16 11:24:14 jenkins jenkins[2730]: 2024-10-16 03:24:14.973+0000 [id=48] SEVERE hudson.PluginMa
[root@jenkins jenkins]#
```

Jenkins 查询日志

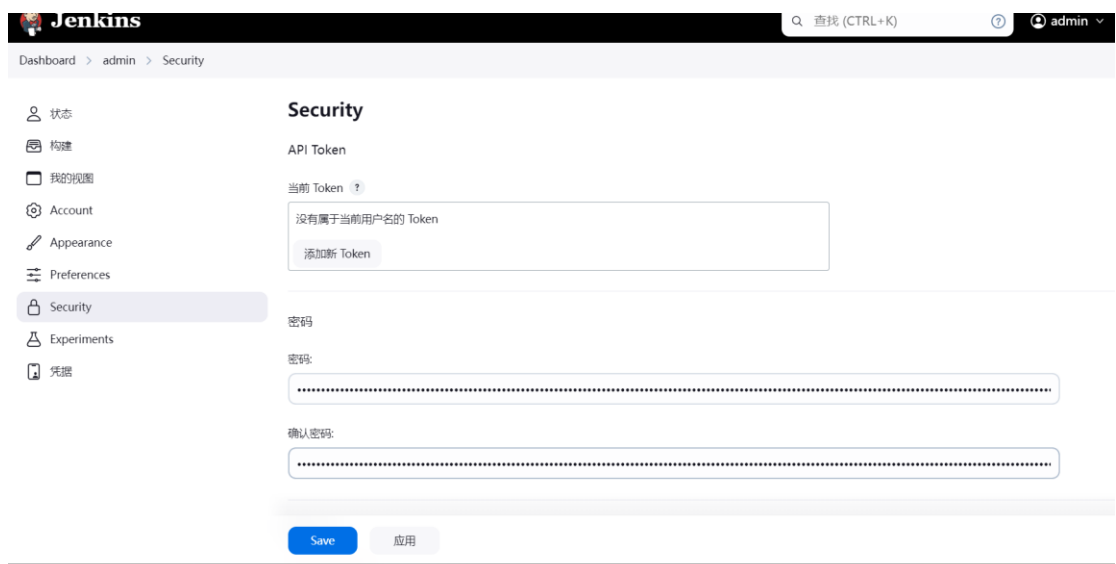
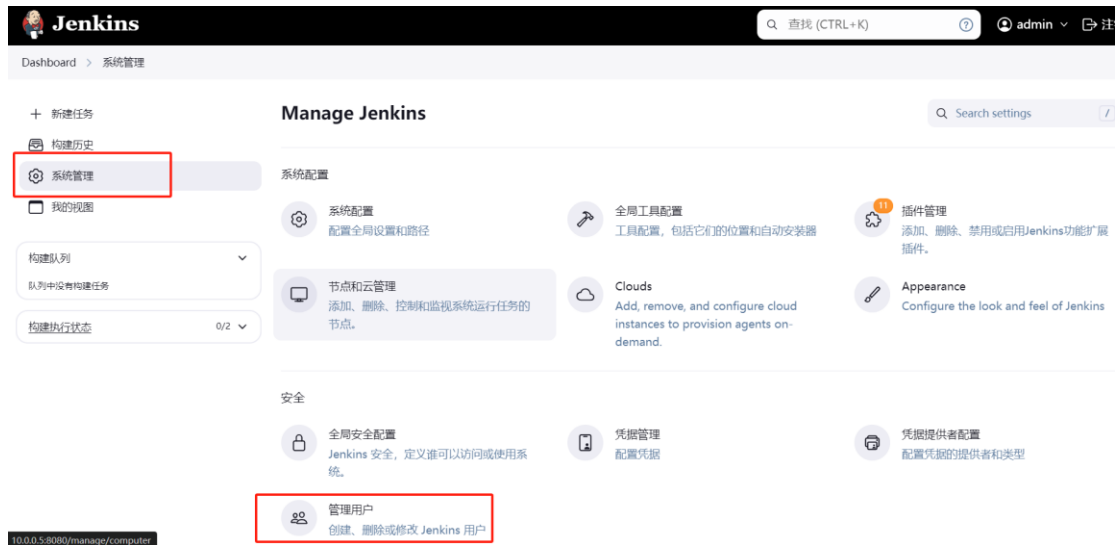
tail -f /var/lib/jenkins/logs/health-checker.log

```
[root@jenkins jenkins]# cd logs/
[root@jenkins logs]# ll
total 4
-rw-r--r-- 1 jenkins jenkins 507 Oct 16 11:25 health-checker.log
[root@jenkins logs]# pwd
/var/lib/jenkins/logs
[root@jenkins logs]# tail -f health-checker.log
Starting health checks at Wed Oct 16 11:25:00 CST 2024
Health check results at Wed Oct 16 11:25:00 CST 2024:
* disk-space: Result{isHealthy=true, duration=0, timestamp=2024-10-16T11:25:00.343+08:00}
* plugins: Result{isHealthy=true, message=No failed plugins, duration=0, timestamp=2024-10-16T11:25:00.343+08:00}
}
* temporary-space: Result{isHealthy=true, duration=0, timestamp=2024-10-16T11:25:00.343+08:00}
* thread-deadlock: Result{isHealthy=true, duration=0, timestamp=2024-10-16T11:25:00.344+08:00}
```

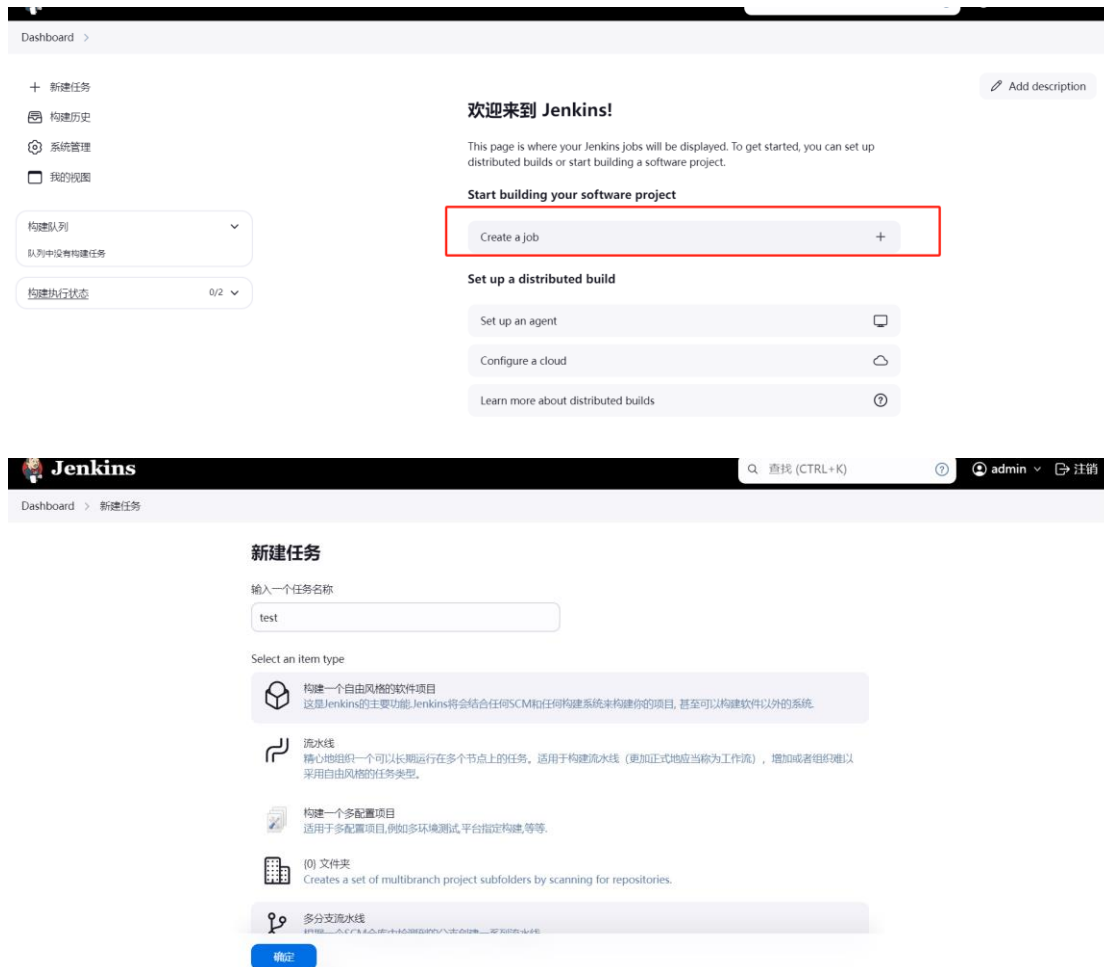
修改用户密码

<http://公网 IP:8080>

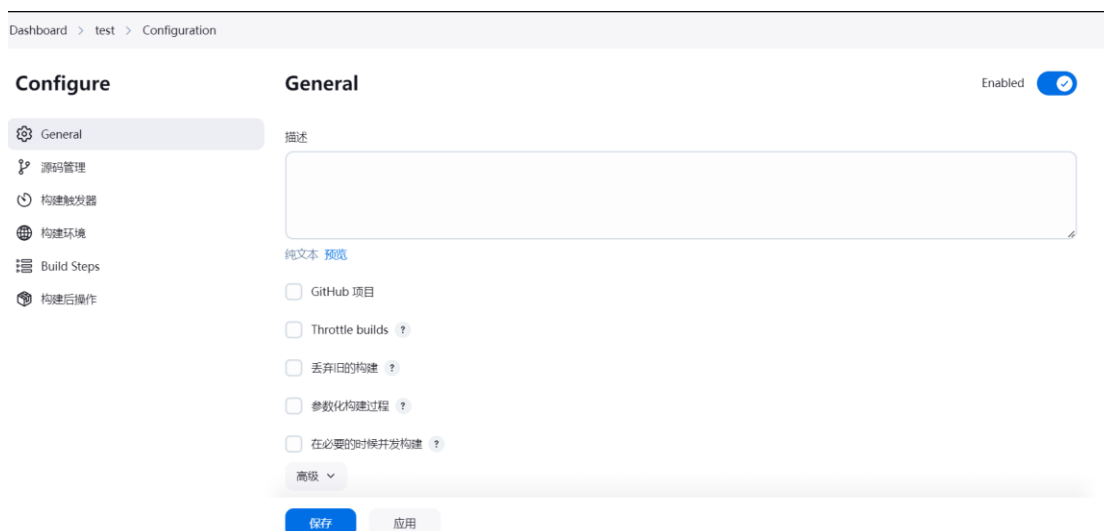
The screenshot shows the Jenkins web interface at IP 10.0.0.5:8080. The top navigation bar includes a search bar and user information (admin). The left sidebar contains links for 'Dashboard', '新建任务' (New Task), '构建历史' (Build History), '系统管理' (System Management), and '我的视图' (My Views). The main content area displays a '欢迎来到 Jenkins!' (Welcome to Jenkins!) message and instructions on how to start building a software project. It includes buttons for 'Create a job', 'Set up a distributed build', 'Set up an agent', 'Configure a cloud', and 'Learn more about distributed builds'.



创建 test 项目



对项目进行配置



6、常规错误如何排查

首先重启相关服务是否正常。

jenkins:

systemctl restart jenkins

查看相关服务状态

jenkins:

systemctl status jenkins

查看相关服务的日志

jenkins:

Jenkins 日志位置

/var/lib/jenkins/logs

```
[root@jenkins logs]# ll
total 4
-rw-r--r-- 1 jenkins jenkins 507 Oct 16 11:13 health-checker.log
[root@jenkins logs]# pwd
/var/lib/jenkins/logs
[root@jenkins logs]#
[root@jenkins logs]#
[root@jenkins logs]#
[root@jenkins logs]# pwd
/var/lib/jenkins/logs
[root@jenkins logs]# tail -f health-checker.log
Starting health checks at Wed Oct 16 11:14:39 CST 2024
Health check results at Wed Oct 16 11:14:39 CST 2024:
* disk-space: Result{isHealthy=true, duration=0, timestamp=2024-10-16T11:14:39.158+08:00}
* plugins: Result{isHealthy=true, message=No failed plugins, duration=0, timestamp=2024-10-16T11:14:39.158+08:00}
}
* temporary-space: Result{isHealthy=true, duration=0, timestamp=2024-10-16T11:14:39.158+08:00}
* thread-deadlock: Result{isHealthy=true, duration=0, timestamp=2024-10-16T11:14:39.159+08:00}
```

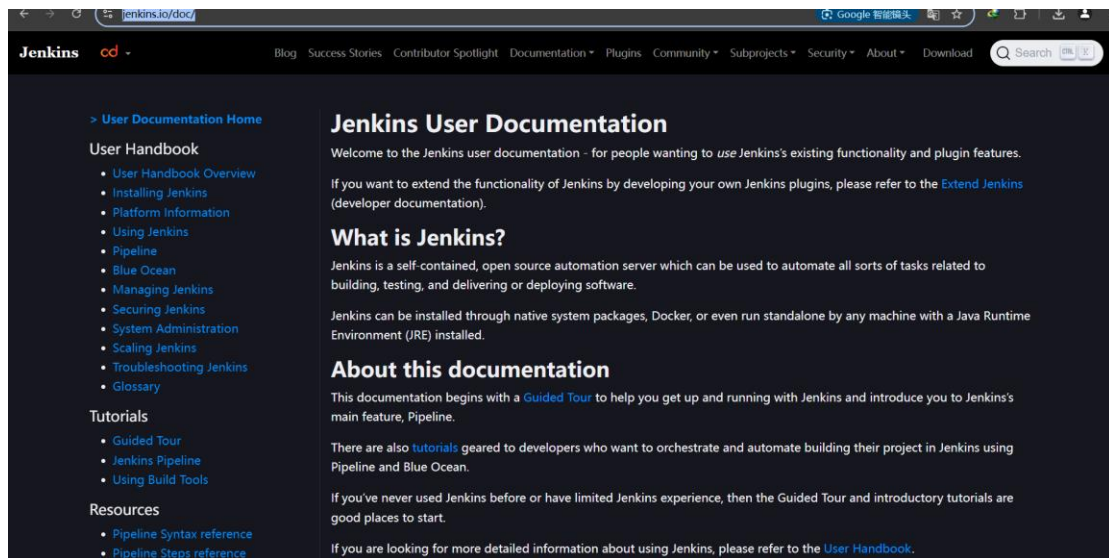
最后查看操作系统日志/var/log/messages

```
[root@java ~]#
[root@java ~]# tail -f /var/log/messages
Aug 13 14:00:06 java systemd[1]: Started system activity accounting tool.
Aug 13 14:10:06 java systemd[1]: Starting system activity accounting tool...
Aug 13 14:10:06 java systemd[1]: sysstat-collect.service: Succeeded.
Aug 13 14:10:06 java systemd[1]: Started system activity accounting tool.
Aug 13 14:20:49 java systemd[1]: Starting system activity accounting tool...
Aug 13 14:20:49 java systemd[1]: sysstat-collect.service: Succeeded.
Aug 13 14:20:49 java systemd[1]: Started system activity accounting tool.
Aug 13 14:30:06 java systemd[1]: Starting system activity accounting tool...
Aug 13 14:30:06 java systemd[1]: sysstat-collect.service: Succeeded.
Aug 13 14:30:06 java systemd[1]: Started system activity accounting tool.
```

7、Jenkins 官方手册

<https://www.jenkins.io/doc/>

浏览器输入链接信息。



三、技术支持

1、售后服务

- (1) 您可以第一时间在华为云商店联系售后获取服务。
- (2) 服务时间：09:00-18:00（紧急情况请打电话）
- (3) 服务热线：18091296777、4009030002 转 15953
- (4) 服务邮箱：22958288@qq.com

2、服务范围

远程支持：如果您在使用过程中遇到技术操作问题，请及时联系客服，我们的工程师可远程协助您完成操作。

定制服务：本公司支持一对一定制服务，如您的业务环境有特殊需求，请与客服联系。

付费服务：本公司可提供镜像部署、故障处理、安全运维代维等一站式托管服务，全面涵盖服务器环境配置，网站程序调试，数据库配置更改，数据库权限、账户，系统安全加固，故障排查，系统调优，数据库优化等范围。如您有相关需求，请咨询客服。