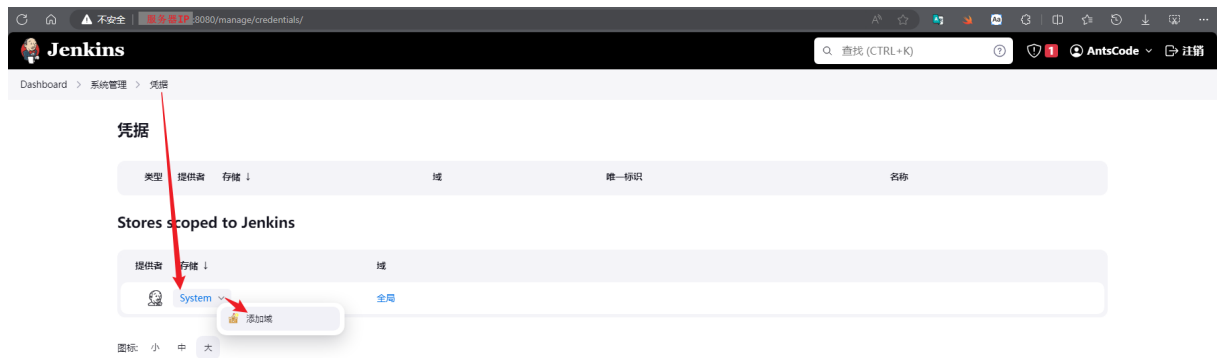


《将各执行机添加至Jenkins集群》

凭证设置

添加凭证域



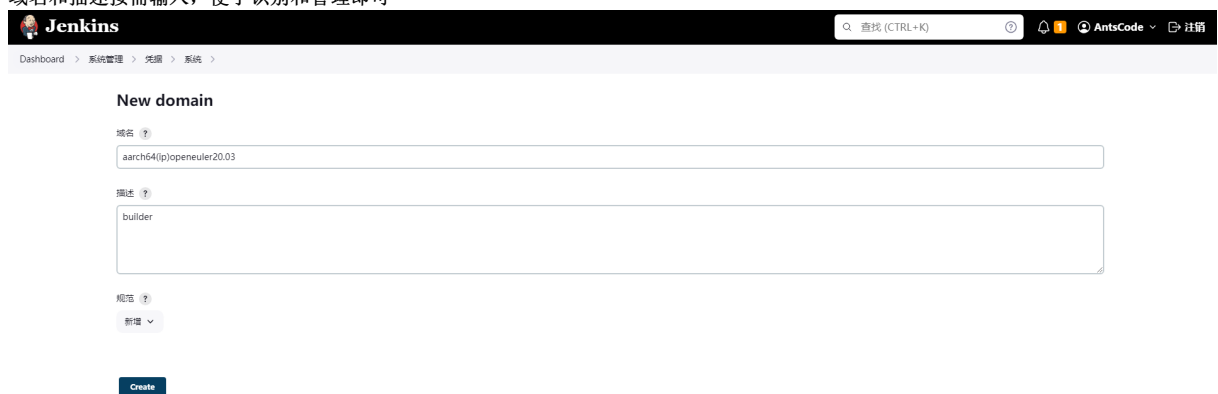
90.90.66.159:8080/manage/credentials/store/system/newDomain

[Jenkins 中文社区](#)

[REST API](#)

Jenkins 2.426.2

域名和描述按需输入，便于识别和管理即可

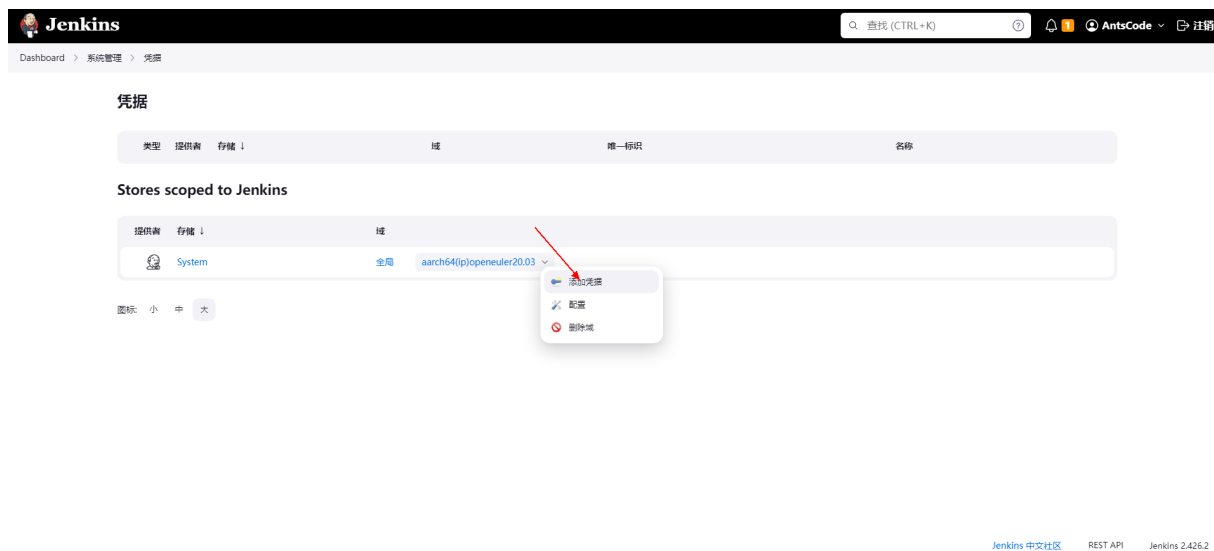


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[REST API](#)

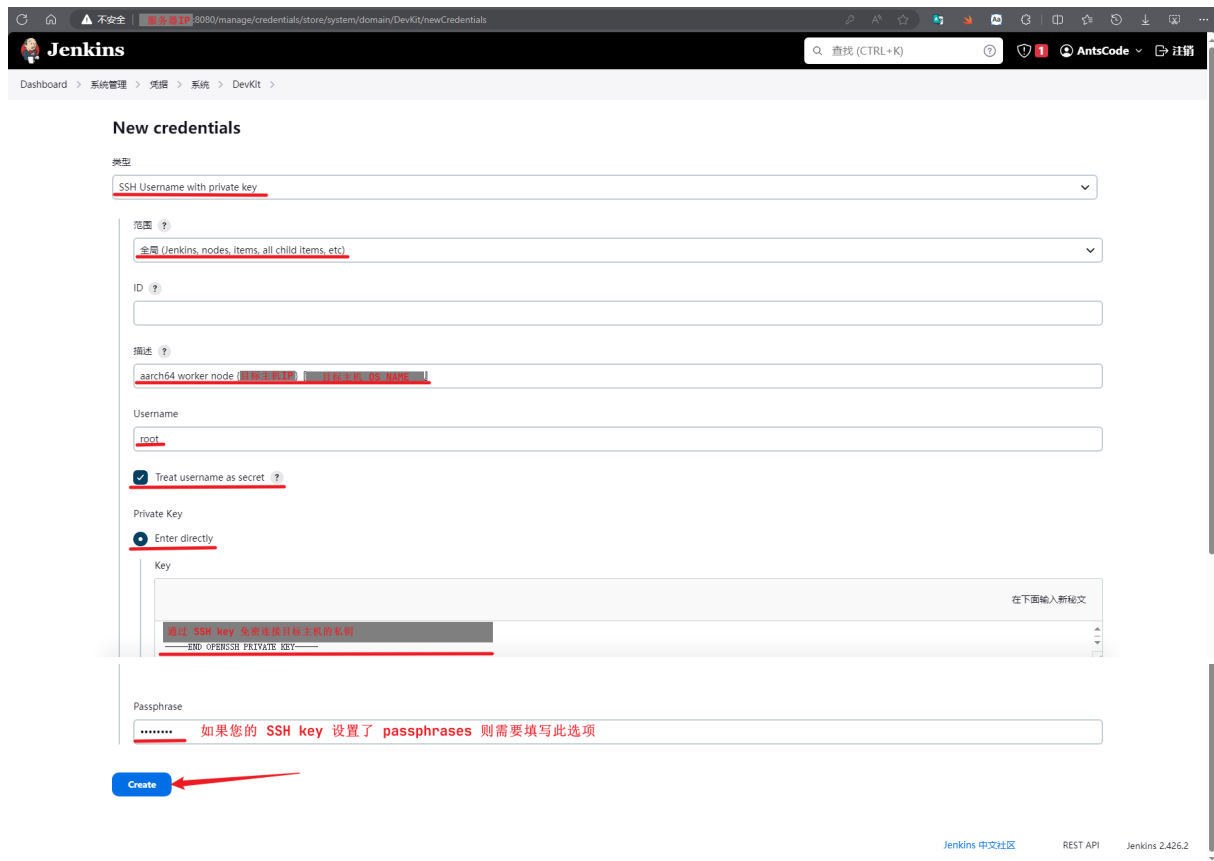
Jenkins 2.426.2

添加凭证到凭证域下

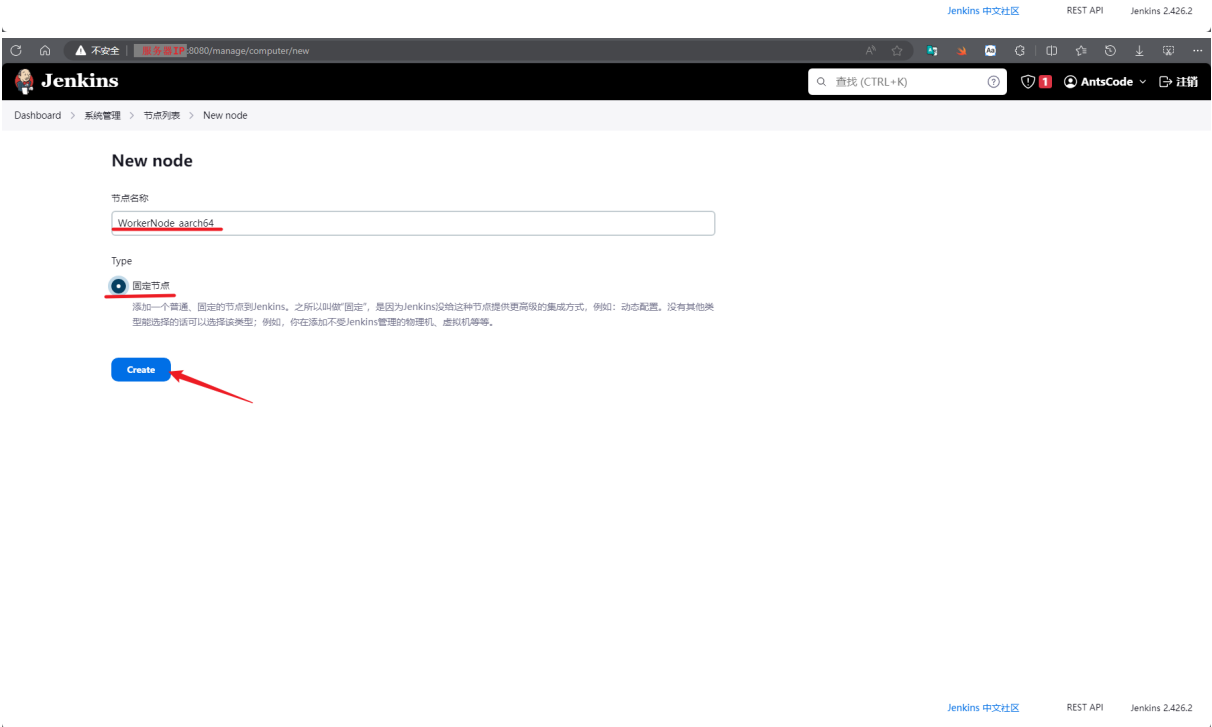
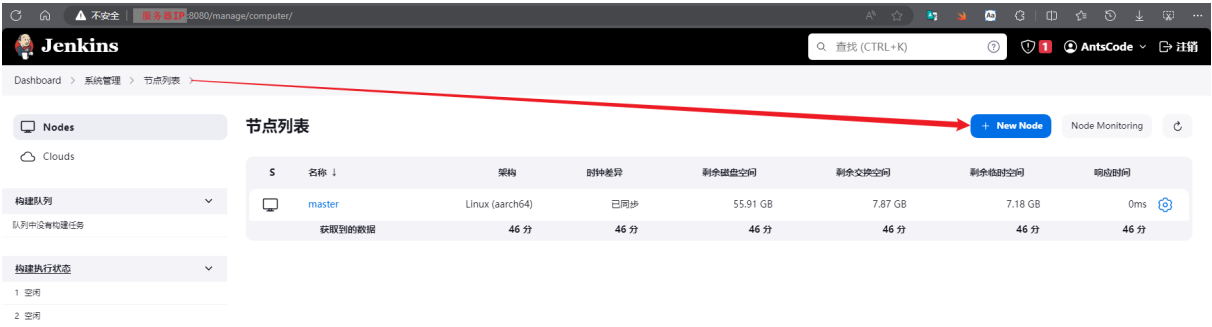


在 DevKit 凭据域下添加 aarch64 Jenkins 工作节点 SSH 凭据

```
#=====
# 在安装了 Jenkins 的环境上生成工作节点 SSH 免登录证书【请根据实际需求设置 SSH key passphrases】
ssh-keygen -b 4096 -C "<邮件地址或其他标签>" -f ~/.ssh/id_ed25519_<推荐按照 *_*_*_* 格式填写目标服务器IP,便于管理 KEY> -t ed25519
#-----#
# 在安装了 Jenkins 的环境上将生成的证书的公钥上传至目标服务器【请根据提示输入目标服务器对应账户密码】
ssh-copy-id -i ~/.ssh/id_ed25519_<推荐按照 *_*_*_* 格式填写目标服务器IP,便于管理 KEY>.pub root@<目标服务器IP>
#-----#
# 删除已知主机名文件中属于指定主机名的所有密钥
ssh-keygen -R <目标服务器IP>
#-----#
# 使用 SSH key 测试连接目标主机【如果您设置了 SSH key passphrases,请在连接目标主机时根据提示输入证书密码】
ssh -o IdentitiesOnly=yes -o PasswordAuthentication=no -i ~/.ssh/id_ed25519_<推荐按照 *_*_*_* 格式填写目标服务器IP,便于管理 KEY> -l root -p 22 <目标服务器IP>
#-----#
# 查看 SSH key 私钥
cat ~/.ssh/id_ed25519_<推荐按照 *_*_*_* 格式填写目标服务器IP,便于管理 KEY>
#=====
```



工作节点设置



配置项	配置说明
名字	与节点名称保持一致
描述	按需填写,便于管理标识和即可，如aarch64node(ip)openeuler22.03
Number of executors	默认为1
远程工作目录	/home/JenkinsWorkspace/
标签	流水线脚本中根据标签来选取执行机，可以打多个标签，用空格隔开，标签需要以kumpeng_为前缀，如kumpeng_scanner kumpeng_builder kumpeng_executor
用法	Only build jobs with label expressions matching this node
启动方式	Launch agents via SSH
主机	节点IP
Credentials	已添加的凭据
Host Key Verification Strategy	Known hosts file Verification Strategy
可用性	Keep this agent online as much as possible
节点属性(可选)	若需要配置环境变量可选择Environment variables

Dashboard > 系统管理 > 节点列表 >

WorkerNode_aarch64

描述 ?
aarch64工作节点 (目标服务器IP) (目标主机OS NAME)

纯文本 预览

Number of executors ?
1

远程工作目录 ?
/home/jenkinsWorkspace/

标签 ?
kunpeng_scanner kunpeng_builder kunpeng_executor

用法 ?
只允许串行绑定到这台机器的job

启动方式 ?
Launch agents via SSH

主机 ?
目标主机 IP

Credentials ?
aarch64 worker node 目标主机 IP 目标主机 OS NAME
+ 添加

Host Key Verification Strategy ?
Known hosts file Verification Strategy

高级

可用性 ?
尽量保持代理在线

节点属性
☐ Disable deferred wipeout on this node ?
☐ 工具位置
☐ 环境变量

保存

Jenkins 中文社区 REST API Jenkins 2.426.2

FAQ

Dashboard > 节点列表 > WorkerNode_aarch64 > Log

状态
删除节点
配置从节点
构建历史
负载均衡
日志
打开 Blue Ocean

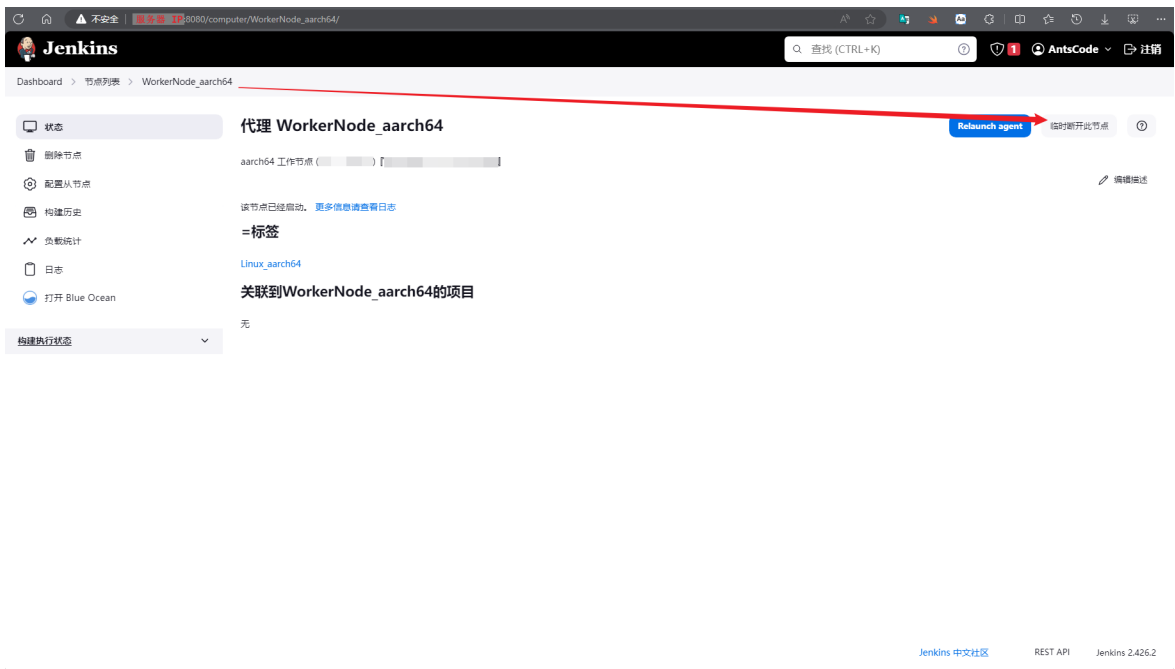
构建执行状态

```
SSHLauncher(host='...', port=22, credentialsId='...', jvmOptions='', javaPath='', prefixStartSlaveCmd='', suffixStartSlaveCmd='', launchTimeoutSeconds=60, maxNumRetries=10, retryWaitTime=15, sshHostKeyVerificationStrategy=hudson.plugins.sshslaves.verifiers.KnownHostsFileKeyVerificationStrategy, tcpNoDelay=true, trackCredentials=true)
[01/04/24 21:12:50] [SSH] Opening SSH connection to ...:22.
/var/lib/jenkins/.ssh/known_hosts [SSH] No Known Hosts file was found at /var/lib/jenkins/.ssh/known_hosts. Please ensure one is created at this path and that Jenkins can read it.
Key exchange was not finished, connection is closed.
SSH Connection failed with IOException: "Key exchange was not finished, connection is closed.", retrying in 15 seconds. There are 10 more retries left.
/var/lib/jenkins/.ssh/known_hosts [SSH] No Known Hosts file was found at /var/lib/jenkins/.ssh/known_hosts. Please ensure one is created at this path and that Jenkins can read it.
Key exchange was not finished, connection is closed.
SSH Connection failed with IOException: "Key exchange was not finished, connection is closed.", retrying in 15 seconds. There are 9 more retries left.
/var/lib/jenkins/.ssh/known_hosts [SSH] No Known Hosts file was found at /var/lib/jenkins/.ssh/known_hosts. Please ensure one is created at this path and that Jenkins can read it.
Key exchange was not finished, connection is closed.
SSH Connection failed with IOException: "Key exchange was not finished, connection is closed.", retrying in 15 seconds. There are 8 more retries left.
/var/lib/jenkins/.ssh/known_hosts [SSH] No Known Hosts file was found at /var/lib/jenkins/.ssh/known_hosts. Please ensure one is created at this path and that Jenkins can read it.
Key exchange was not finished, connection is closed.
SSH Connection failed with IOException: "Key exchange was not finished, connection is closed.", retrying in 15 seconds. There are 7 more retries left.
/var/lib/jenkins/.ssh/known_hosts [SSH] No Known Hosts file was found at /var/lib/jenkins/.ssh/known_hosts. Please ensure one is created at this path and that Jenkins can read it.
Key exchange was not finished, connection is closed.
SSH Connection failed with IOException: "Key exchange was not finished, connection is closed.", retrying in 15 seconds. There are 6 more retries left.
/var/lib/jenkins/.ssh/known_hosts [SSH] No Known Hosts file was found at /var/lib/jenkins/.ssh/known_hosts. Please ensure one is created at this path and that Jenkins can read it.
Key exchange was not finished, connection is closed.
SSH Connection failed with IOException: "Key exchange was not finished, connection is closed.", retrying in 15 seconds. There are 5 more retries left.
/var/lib/jenkins/.ssh/known_hosts [SSH] No Known Hosts file was found at /var/lib/jenkins/.ssh/known_hosts. Please ensure one is created at this path and that Jenkins can read it.
Key exchange was not finished, connection is closed.
SSH Connection failed with IOException: "Key exchange was not finished, connection is closed.", retrying in 15 seconds. There are 4 more retries left.
/var/lib/jenkins/.ssh/known_hosts [SSH] No Known Hosts file was found at /var/lib/jenkins/.ssh/known_hosts. Please ensure one is created at this path and that Jenkins can read it.
Key exchange was not finished, connection is closed.
SSH Connection failed with IOException: "Key exchange was not finished, connection is closed.", retrying in 15 seconds. There are 3 more retries left.
/var/lib/jenkins/.ssh/known_hosts [SSH] No Known Hosts file was found at /var/lib/jenkins/.ssh/known_hosts. Please ensure one is created at this path and that Jenkins can read it.
Key exchange was not finished, connection is closed.
SSH Connection failed with IOException: "Key exchange was not finished, connection is closed.", retrying in 15 seconds. There are 2 more retries left.
/var/lib/jenkins/.ssh/known_hosts [SSH] No Known Hosts file was found at /var/lib/jenkins/.ssh/known_hosts. Please ensure one is created at this path and that Jenkins can read it.
Key exchange was not finished, connection is closed.
SSH Connection failed with IOException: "Key exchange was not finished, connection is closed.", retrying in 15 seconds. There are 1 more retries left.
/var/lib/jenkins/.ssh/known_hosts [SSH] No Known Hosts file was found at /var/lib/jenkins/.ssh/known_hosts. Please ensure one is created at this path and that Jenkins can read it.
Key exchange was not finished, connection is closed.
ERROR: Connection is not established!
java.lang.IllegalStateException: Connection is not established!
at com.trilead.ssh2.Connection.getRemainingAuthMethods(Connection.java:989)
```

当 Jenkins 工作节点连接不上时,且查看日志如上图所示时请考虑通过以下解决方案解决问题。

有关 Jenkins 工作节点连接错误的问题可参考以下文章中 poddingue 的解答: <https://community.jenkins.io/t/node-connection-error/6082>

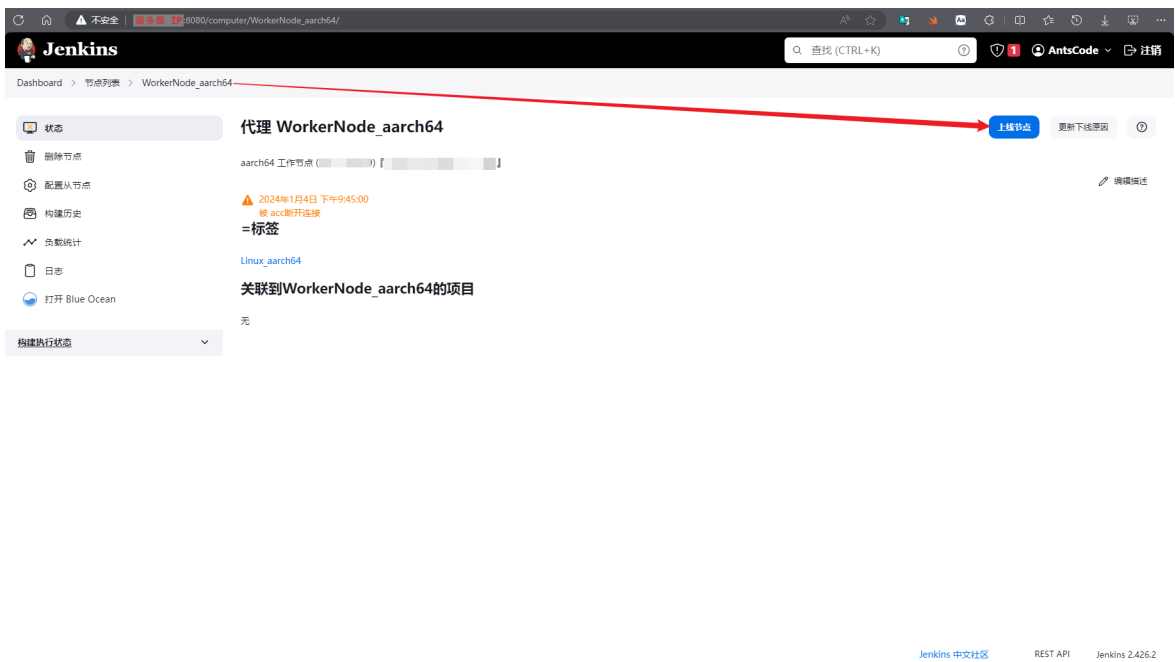
- 临时断开节点



- 在安装 Jenkins 服务的设备上配置 `/var/lib/jenkins/.ssh/known_hosts`

```
#=====
# 创建目标 /var/lib/jenkins/.ssh 目录
mkdir -p /var/lib/jenkins/.ssh
#-----#
# 新建 known_hosts 文件
touch /var/lib/jenkins/.ssh/known_hosts
#-----#
# 修改 known_hosts 文件权限为 600
chmod 600 /var/lib/jenkins/.ssh/known_hosts
#-----#
# 将远程主机的 SSH 主机密钥添加到 known_hosts 文件中
ssh-keyscan <目标服务器IP> >> /var/lib/jenkins/.ssh/known_hosts
#-----#
# 修改文件夹下所有文件的所属用户及用户组为 jenkins
chown -R jenkins:jenkins /var/lib/jenkins/.ssh
#=====
```

- 重新连接节点



- 节点连接成功后如下图所示

Dashboard > 节点列表 >

Nodes

Clouds

构建队列

队列中没有构建任务

构建执行状态

master

1 空闲

2 空闲

WorkerNode_aarch64

1 空闲

节点列表

+ New Node

Node Monitoring

S	名称 ↓	架构	时钟差异	剩余磁盘空间	剩余交换空间	剩余临时空间	响应时间
	master	Linux (aarch64)	已同步	55.80 GB	7.87 GB	7.18 GB	0ms
	WorkerNode_aarch64	Linux (aarch64)	已同步	403.00 GB	7.87 GB	7.18 GB	81ms
	获取到的数据	8.6 秒	8.6 秒	8.6 秒	8.5 秒	8.6 秒	8.6 秒