

【SOP】Linux上jenkins节点的搭建

作者

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工具介绍（可选）

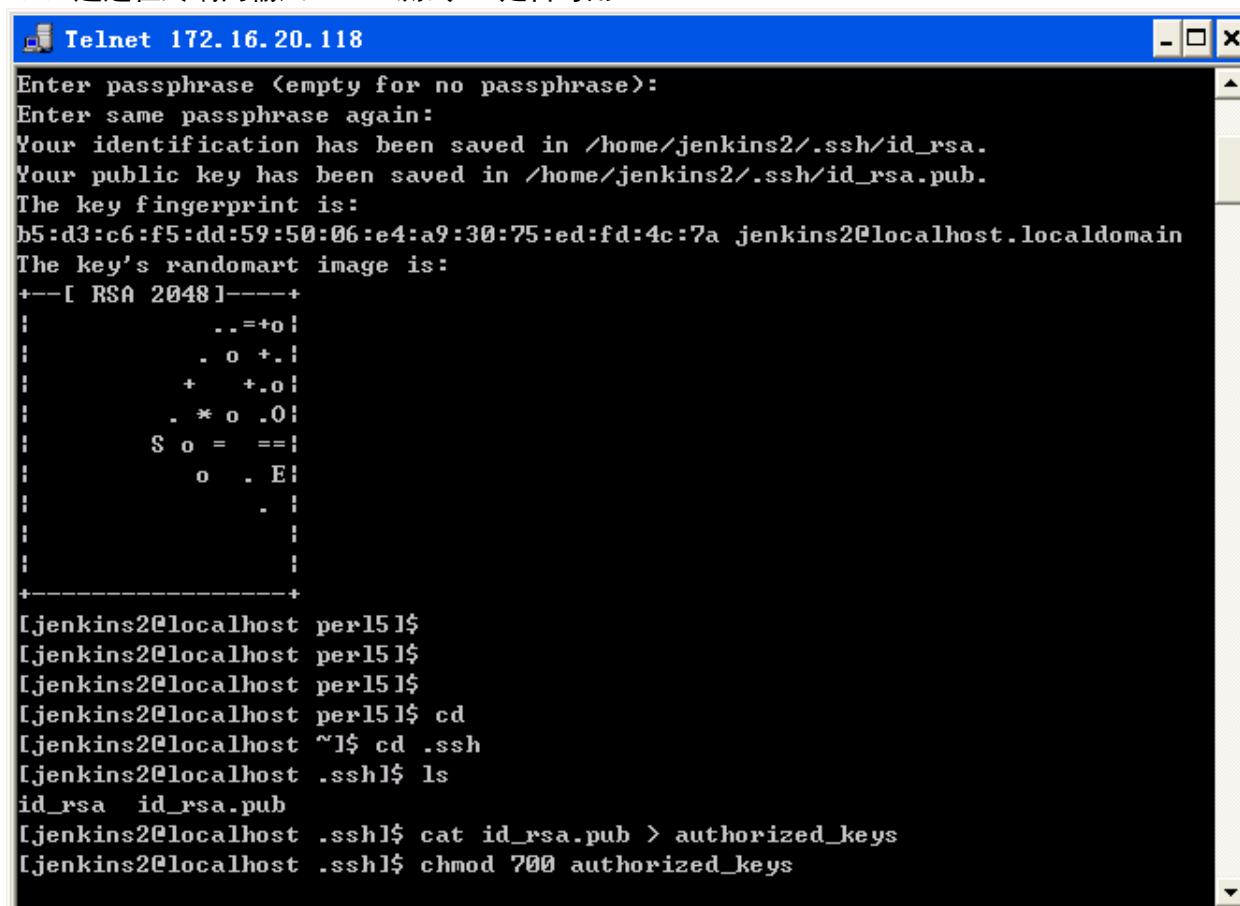
对象：Jenkins节点的部署

功能：通过在Linux上部署jenkins节点可以将远程的一些Job部署到此节点进行工作，也可以执行本地的一些工作。

特点：使用方便，功能齐全。能够与gitlab构建集成测试环境。该方法是通过SSH的方式进行的连接。

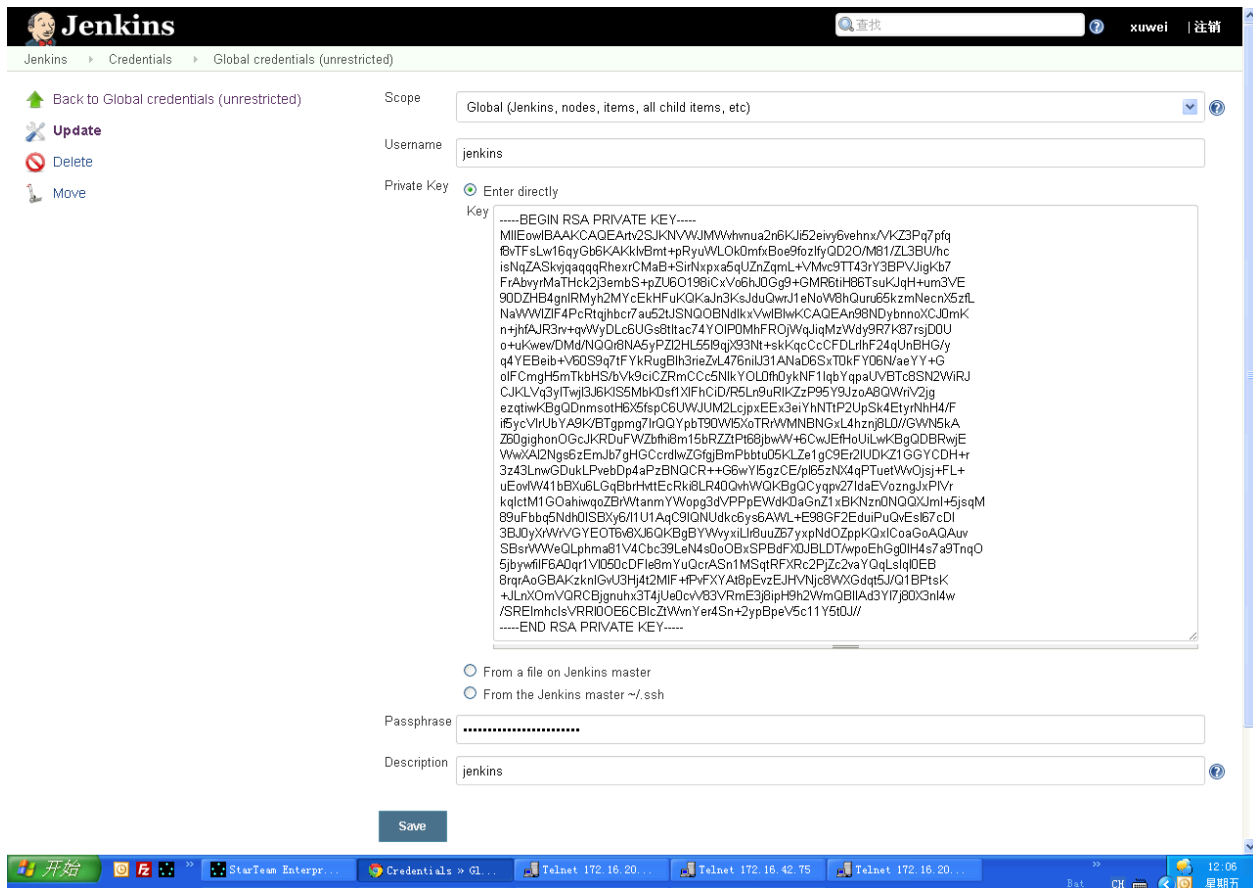
使用方法（可选）

1. 在节点上生成公钥私钥（172.16.42.75）：用法：公钥放到需要连接的终端；
2. 公钥重新拷贝到文件authorized_keys中：cat id_rsa.pub > authorized_keys；
3. 修改权限（Linux系统对SSH通讯的权限设置要求严格，需按照如下设置）：（1）修改/home/build目录权限为755：chmod -R 755 build；（2）修改.ssh目录权限为700：chmod -R 700 .ssh；（3）修改公钥权限为600：chmod 600 authorized_keys
（4）通过在终端内输入ssh IP测试ssh是否可用

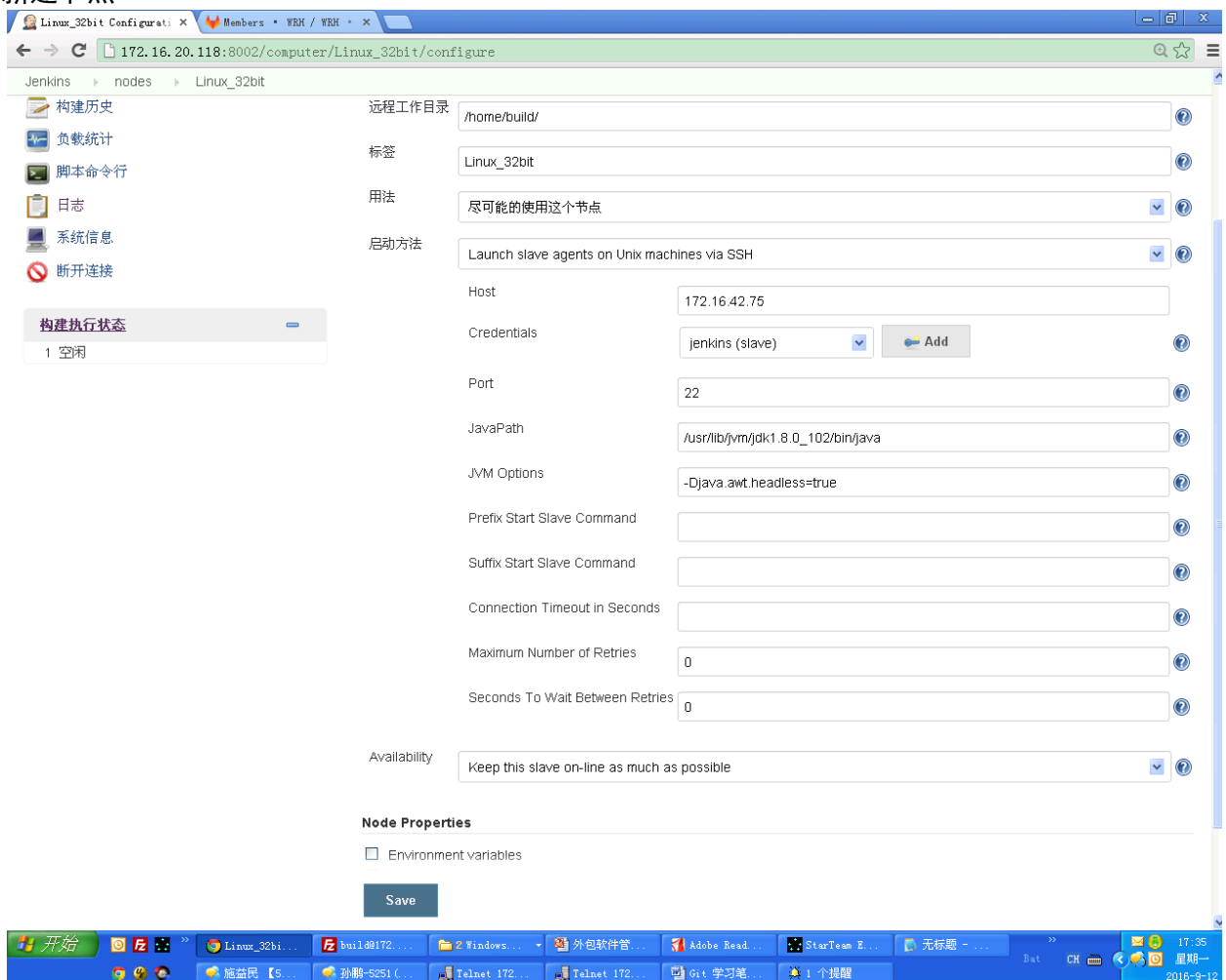


```
Telnet 172.16.20.118
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/jenkins2/.ssh/id_rsa.
Your public key has been saved in /home/jenkins2/.ssh/id_rsa.pub.
The key fingerprint is:
b5:d3:c6:f5:dd:59:50:06:e4:a9:30:75:ed:fd:4c:7a jenkins2@localhost.localdomain
The key's randomart image is:
+--[ RSA 2048 ]-----+
|      ..=+o!          |
|      . o +.!         |
|      +  +.o!         |
|      . * o .0!       |
|      S o = ==!       |
|      o  . E!         |
|      .              |
|      .              |
|      .              |
+-----+
[jenkins2@localhost perl5] $
[jenkins2@localhost perl5] $
[jenkins2@localhost perl5] $
[jenkins2@localhost perl5] $ cd
[jenkins2@localhost ~] $ cd .ssh
[jenkins2@localhost .ssh] $ ls
id_rsa id_rsa.pub
[jenkins2@localhost .ssh] $ cat id_rsa.pub > authorized_keys
[jenkins2@localhost .ssh] $ chmod 700 authorized_keys
```

4. 打开私钥，赋值到jenkins的credentials



5. 新建节点



6. SSH通讯问题解决—— 在被访问的机器上查看日志，定位问题，以下为权限问题引起的SSH失败

```
[root@localhost .ssh]#  
[root@localhost .ssh]#  
[root@localhost .ssh]# tail -n 20 /var/log/secure_  
Sep  8 17:16:36 localhost sshd[3109]: Connection closed by 172.16.20.118 [preauth]  
h1  
Sep  8 17:24:37 localhost sshd[7694]: Authentication refused: bad ownership or m  
odes for file /root/.ssh/authorized_keys  
Sep  8 17:25:48 localhost sshd[9254]: Received disconnect from 172.16.20.118: 11  
: Closed due to user request. [preauth]  
Sep  8 17:26:35 localhost sshd[7694]: Connection closed by 172.16.20.118 [preaut  
h1]  
Sep  8 17:26:37 localhost sshd[9633]: Authentication refused: bad ownership or m  
odes for directory /root/.ssh
```

进阶技巧（可选）

参考资料（可选）