



链滴

# ssh 免密登录

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原文链接: <https://ld246.com/article/1498645497568>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

# 概述

管理多台阿里云服务器的情况下，每登录一台都输入一遍密码实在太麻烦。

所以我这里使用了ssh的相关命令，来实现在git.huluwa.cc和[www.liumapp.com](http://www.liumapp.com)这两台服务器上的密登录。

为了不影响我原来所使用在Github上的密钥，我创建了两个新的密钥用于登录服务器。

## 生成证书

首先进入/var/root/.ssh目录，可以看到，我已经具有一个密钥：

```
id_rsa id_rsa.pub known_hosts
```

现在我使用ssh-keygen命令创建一个新的密钥id\_rsa\_test，用于登录git.huluwa.cc：

```
sh-3.2# ssh-keygen
```

```
Generating public/private rsa key pair.
```

```
Enter file in which to save the key (/var/root/.ssh/id_rsa): /var/root/.ssh/id_rsa_test
```

```
Enter passphrase (empty for no passphrase):
```

```
Enter same passphrase again:
```

```
Your identification has been saved in /var/root/.ssh/id_rsa_test.
```

```
Your public key has been saved in /var/root/.ssh/id_rsa_test.pub.
```

```
The key fingerprint is:
```

```
SHA256:UHj31HSPlaw/DgWU8Gro7PGByE2wtaJa7/m56gDtsE4 root@liumeishengqideMacBo  
k-Pro.local
```

```
The key's randomart image is:
```

```
+---[RSA 2048]-----+
```

```
| ..O++ +|
```

```
| ... .oo.*|
```

```
| .o o o .+ .|
```

```
| ..+ o o . |
```

```
| o .oS+ o o |
```

```
| = o B o . o |
```

```
| E = o * . o .|  
| o o o o + .. |  
| o o * o = .. |  
+-----[SHA256]-----+
```

再使用同样的方法，创建一个新的密钥id\_rsa\_liumapp用于登录[www.liumapp.com](http://www.liumapp.com)

## 使用ssh-agent

直接在命令行输入：

```
ssh-agent
```

以启动ssh-agent:

```
sh-3.2# ssh-agent
```

```
SSH_AUTH_SOCK=/tmp/ssh-zuRqtql3yn1F/agent.21608; export SSH_AUTH_SOCK;
```

```
SSH_AGENT_PID=21609; export SSH_AGENT_PID;
```

```
echo Agent pid 21609;
```

再使用ssh-add，将id\_rsa、id\_rsa\_test、id\_rsa\_liumapp添加到ssh列表中：

```
sh-3.2# ssh-add
```

```
Identity added: /var/root/.ssh/id_rsa (/var/root/.ssh/id_rsa)
```

```
sh-3.2# ssh-add /var/root/.ssh/id_rsa_test
```

```
Identity added: /var/root/.ssh/id_rsa_test (/var/root/.ssh/id_rsa_test)
```

## 使用ssh-copy-id

接下来使用ssh-copy-id这个命令，将公钥上传到要登录的服务器上，但是不知道为什么，我的Mac境没有自带ssh-copy-id，使用命令：

```
brew install ssh-copy-id
```

进行安装：

```
sh-3.2# brew install ssh-copy-id
```

```
**==>** **Downloading http://ftp.openbsd.org/pub/OpenBSD/OpenSSH/portable/openssh-7
```

1p1.tar.gz\*\*

```
#####  
# 100.0%
```

/usr/local/Cellar/ssh-copy-id/7.1p1: 7 files, 334.3K, built in 10 seconds

接下来把公钥id\_rsa\_test.pub上传到git.huluwa.cc上:

```
ssh-copy-id -i /var/root/.ssh/id_rsa_test.pub git.huluwa.cc
```

成功的话可以看到这个结果:

```
sh-3.2# ssh-copy-id -i /var/root/.ssh/id_rsa_test.pub git.huluwa.cc
```

```
/usr/local/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any tha  
are already installed
```

```
/usr/local/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it  
s to install the new keys
```

```
root@git.huluwa.cc's password:
```

```
/etc/profile.d/lang.sh: line 19: warning: setlocale: LC_CTYPE: cannot change locale (UTF-8): No  
uch file or directory
```

```
Number of key(s) added: 1
```

```
Now try logging into the machine, with: "ssh 'git.huluwa.cc'"
```

and check to make sure that only the key(s) you wanted were added.

最后使用

```
ssh git.huluwa.cc
```

就可以成功免密登录到服务器上了, 同理, 对于id\_rsa\_liumapp.pub进行同样的操作即可免密登录到[www.liumapp.com](http://www.liumapp.com)上。

## 注意事项

- 在实践过程中, 我发现如果用IP地址代替域名, 那么最后登录的时候, 还是需要验证密码, 不过暂还没有发现原因出在哪里。
- 如果说电脑重启过, 那么需要重新走一遍ssh-agent和ssh-add操作, 推荐大家使用shell来自动化决...