

# centos7配置samba以及samba使用教程

2015 年 12 月 9 日

## 1.samba 安装

step1:键入以下命令后，系统会自动下载安装:

```
$ yum install samba samba-client samba-swat
```

step2:键入以下命令:

```
$ rpm -qa|grep samba
```

如果安装成功，则有以下显示:

```
[root@localhost ~]# rpm -qa|grep samba
samba-client-4.1.12-24.el7_1.x86_64
samba-libs-4.1.12-24.el7_1.x86_64
samba-common-4.1.12-24.el7_1.x86_64
samba-4.1.12-24.el7_1.x86_64
```

## 2.samba 配置

step1:键入以下命令，备份配置文件:

```
$ cp -p /etc/samba/smb.conf /etc/samba/smb-back.conf
```

step2:键入以下命令，打开配置文件:

```
$ vim /etc/samba/smb.conf
```

step3:按如下步骤修改配置文件:

(a).将图1中的”workgroup = ”修改为”workgroup = WORKGROUP”，其中WOEKGROUP为用户window主机所在的工作组名称，右击”我的电脑”->”属性”可查看。

(b).如图2所示，在配置文件末尾添加代码:

```
[global]
# ----- Network-Related Options -----
#
# workgroup = the Windows NT domain name or workgroup name, for example, MYGROUP.
# server string = the equivalent of the Windows NT Description field.
# netbios name = used to specify a server name that is not tied to the hostname.
#
# interfaces = used to configure Samba to listen on multiple network interfaces.
# If you have multiple interfaces, you can use the interfaces = option to
# configure which of those interfaces Samba listens on. Never omit the localhost
# interface (lo).
#
# hosts allow = the hosts allowed to connect. This option can also be used on a
# per-share basis.
#
# hosts deny = the hosts not allowed to connect. This option can also be used on
# a per-share basis.
#
# max protocol = used to define the supported protocol. The default is NT1. You
# can set it to SMB2 if you want experimental SMB2 support.
#
workgroup = WORKGROUP
server string = Samba Server Version %v
```

图 1: 修改workgroup

```
[share]
```

```
Comment = Public Stuff
```

```
path = /home/samba
```

```
public = yes
```

```
writable = yes
```

```
printable = no
```

```
valid users = MYDOMAIN\%S

[printers]
comment = All Printers
path = /var/spool/samba
browseable = no
guest ok = no
writable = no
printable = yes

# Un-comment the following and create the netlogon directory for Domain Logons:
[netlogon]
comment = Network Logon Service
path = /var/lib/samba/netlogon
guest ok = yes
writable = no
share modes = no

# Un-comment the following to provide a specific roving profile share.
# The default is to use the user's home directory:
[Profiles]
path = /var/lib/samba/profiles
browseable = no
guest ok = yes

# A publicly accessible directory that is read only, except for users in the
# staff group (which have write permissions):
[public]
comment = Public Stuff
path = /home/samba
public = yes
writable = yes
printable = no
write list = +staff

[share]
comment = Public Stuff
path = /home/samba
public = yes
writable = yes
printable = no
```

图 2: 在文件末尾添加share

(c).修改文件夹权限:

```
$ chmod 777 /home/samba
```

(d).关闭selinux:

```
$ setenforce 0
```

3.启动 samba

step1:关闭防火墙

```
$ systemctl stop firewalld.service
```

step2:开启samba

```
$ systemctl start smb.service
```

step3:检查samba是否开启

```
$ systemctl status smb.service
```

若开启成功, 则会有图3显示:

```
[root@localhost ~]# systemctl status smb.service
smb.service - Samba SMB Daemon
  Loaded: loaded (/usr/lib/systemd/system/smb.service; enabled)
  Active: active (running) since Sat 2015-11-21 17:30:55 CST; 14min ago
    Main PID: 12188 (smbd)
      Status: "smbd: ready to serve connections..."
     CGroup: /system.slice/smb.service
            └─12188 /usr/sbin/smbd
              12189 /usr/sbin/smbd

Nov 21 17:30:55 localhost.localdomain systemd[1]: Starting Samba SMB Daemon...
Nov 21 17:30:55 localhost.localdomain smbd[4111]: STATUS-daemon 'smbd' finished star...
Nov 21 17:30:55 localhost.localdomain smbd[4109]: STATUS-daemon 'smbd' finished star...
Nov 21 17:30:55 localhost.localdomain smbd[12187]: [2015/11/21 17:30:55.457799, 0] ...
Nov 21 17:30:55 localhost.localdomain smbd[12187]: standard input is not a socket, a...n
Nov 21 17:30:55 localhost.localdomain systemd[1]: smb.service: Supervising process 1....
Nov 21 17:30:55 localhost.localdomain smbd[12188]: [2015/11/21 17:30:55.481348, 0] ...
Nov 21 17:30:55 localhost.localdomain systemd[1]: Started Samba SMB Daemon.
Nov 21 17:44:12 localhost.localdomain systemd[1]: Started Samba SMB Daemon.
Nov 21 17:44:14 localhost.localdomain systemd[1]: Started Samba SMB Daemon.
Hint: Some lines were ellipsized, use -l to show in full.
```

图 3: 开启成功

step4:关闭samba

```
$ systemctl stop smb.service
```

step5:检查samba是否关闭

```
$ systemctl status smb.service
```

若关闭成功, 则会有图4显示:

```
[root@localhost ~]# systemctl status smb.service
smb.service - Samba SMB Daemon
  Loaded: loaded (/usr/lib/systemd/system/smb.service; enabled)
  Active: inactive (dead) since Sat 2015-11-21 17:51:57 CST; 1s ago
    Main PID: 12188
      Status: "smbd: ready to serve connections..."

Nov 21 17:30:55 localhost.localdomain smbd[12187]: [2015/11/21 17:30:55.457799, 0] .../source3/smbd/server.c:1269(main)
Nov 21 17:30:55 localhost.localdomain smbd[12187]: standard input is not a socket, assuming -D option
Nov 21 17:30:55 localhost.localdomain systemd[1]: smb.service: Supervising process 12188 which is not our child. We'll most likely not notice when it exits.
Nov 21 17:30:55 localhost.localdomain smbd[12188]: [2015/11/21 17:30:55.481348, 0] .../lib/util/become_daemon.c:136(daemon_ready)
Nov 21 17:30:55 localhost.localdomain systemd[1]: Started Samba SMB Daemon.
Nov 21 17:44:12 localhost.localdomain systemd[1]: Started Samba SMB Daemon.
Nov 21 17:44:14 localhost.localdomain systemd[1]: Started Samba SMB Daemon.
Nov 21 17:51:57 localhost.localdomain systemd[1]: Stopping Samba SMB Daemon...
Nov 21 17:51:57 localhost.localdomain systemd[1]: Stopped Samba SMB Daemon.
Nov 21 17:51:57 localhost.localdomain smbd[12188]: STATUS-daemon 'smbd' finished starting up and ready to serve connections;failed to delete pidfile /run/smbd.pid. Error was No such file or directory
```

图 4: 关闭, 未启动

#### 4.在window7上连接samba

step1:添加samba账号(注意, 此处为samba登录账号, 不同于linux用户账号,但Samba账号名称必须与已有的linux用户账号名称相同。例如linux用户fanxin,yg,hyx,那samba账号也只能起这三个, 否则会报错。)

```
$ smbpasswd -a fanxin
```

```
$ useradd fanxin
```

即添加了用户fanxin

step2:回到windows7界面, 摁"*win + R*",输入centos主机的ip地址, 如图5所示, 即可进入共享界面。其中"share"为共享文件夹, 对应 centos7下的path(本例中为/home/samba文件夹)。

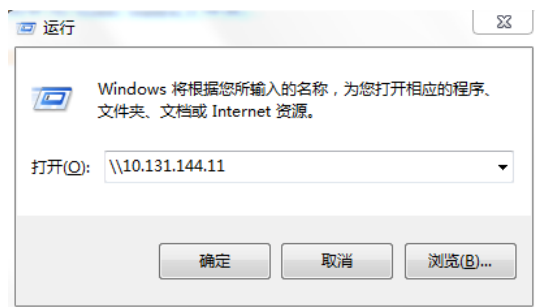


图 5: win7连接示例图