Samba服务器配置（实例解析）

一、在rhel 8 上配置samba共享服务器

① 查看samba包信息

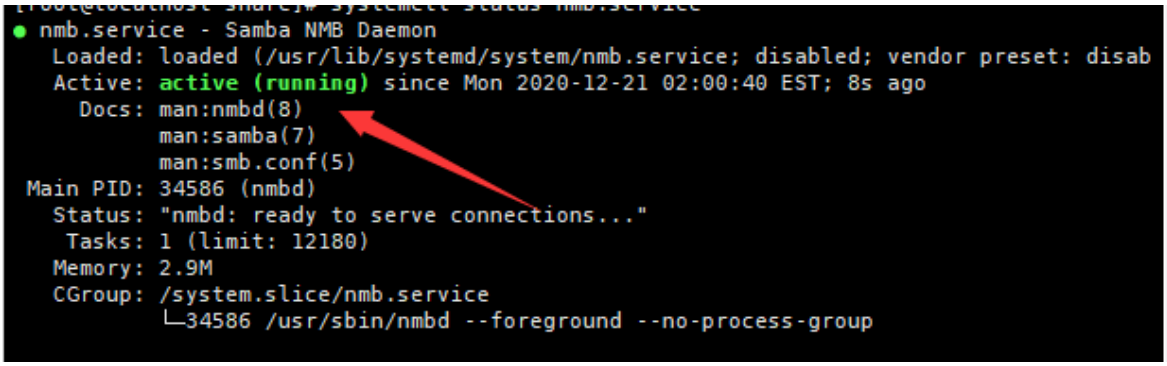
```
[root@localhost ~]# yum info samba              #查看samba包信息
Updating Subscription Management repositories.
Unable to read consumer identity
This system is not registered to Red Hat Subscription Management. You can use
subscription-manager to register.
Last metadata expiration check: 0:46:48 ago on Mon 21 Dec 2020 12:31:15 AM EST.
Available Packages
Name         : samba
Version      : 4.12.3
Release      : 12.el8.3
Architecture : x86_64
Size         : 840 k
Source       : samba-4.12.3-12.el8.3.src.rpm
Repository   : base
Summary      : Server and Client software to interoperate with Windows machines
URL          : https://www.samba.org
License      : GPLv3+ and LGPLv3+
Description  : Samba is the standard Windows interoperability suite of programs
for Linux
             : and Unix.
```

② 安装Samba服务 设置开机自启

```
[root@localhost ~]# yum install -y samba       #安装samba服务
[root@localhost ~]# rpm -qa | grep samba       #查看samba包
samba-client-libs-4.12.3-12.el8.3.x86_64
samba-common-4.12.3-12.el8.3.noarch
samba-libs-4.12.3-12.el8.3.x86_64
samba-common-tools-4.12.3-12.el8.3.x86_64
samba-4.12.3-12.el8.3.x86_64
samba-common-libs-4.12.3-12.el8.3.x86_64

[root@localhost ~]# systemctl start smb         #启动samba服务
[root@localhost ~]# systemctl enable smb        #设置开机自启
Created symlink /etc/systemd/system/multi-user.target.wants/smb.service
/usr/lib/systemd/system/smb.service.
[root@localhost ~]# systemctl status smb        #查看服务正在运行
● smb.service - Samba SMB Daemon
   Loaded: loaded (/usr/lib/systemd/system/smb.service; enabled; vendor preset:
disabled)
   Active: active (running) since Mon 2020-12-21 01:22:27 EST; 21s ago
     Docs: man:smbd(8)
           man:samba(7)
           man:smb.conf(5)
 Main PID: 33908 (smbd)
```

```
   Status: "smbd: ready to serve connections..."
    Tasks: 4 (limit: 12180)
   Memory: 13.7M
   CGroup: /system.slice/smb.service
           ├─33908 /usr/sbin/smbd --foreground --no-process-group
           ├─33910 /usr/sbin/smbd --foreground --no-process-group
           ├─33911 /usr/sbin/smbd --foreground --no-process-group
           └─33912 /usr/sbin/smbd --foreground --no-process-group
```



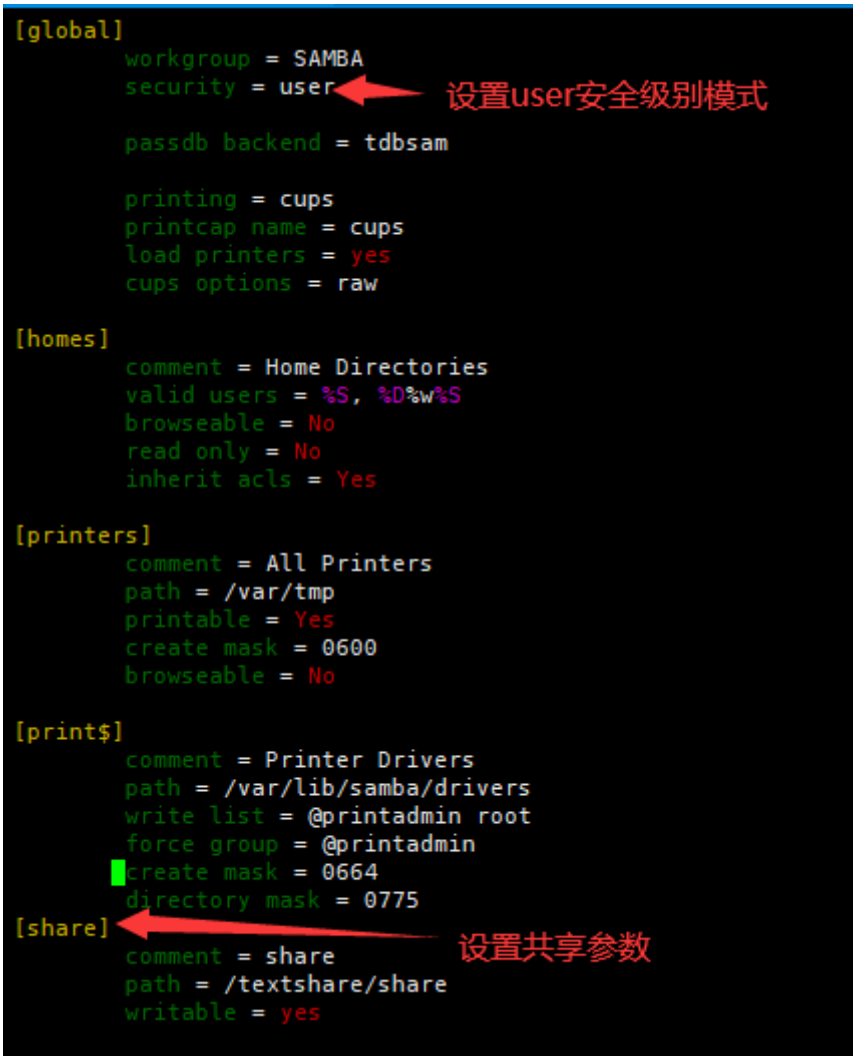
③ 建立测试共享目录添加相应的用户和组，添加对应的samba账号

```
[root@localhost ~]# mkdir /textshare
[root@localhost ~]# mkdir /textshare/share                          #添加共享文件夹
[root@localhost ~]# touch /textshare/share/text_share.tar           #添加共享测试文件

[root@localhost ~]# groupadd share                                  #添加用户组 share
[root@localhost ~]# useradd -g share share1                         #添加 用户share1 和
share2
[root@localhost ~]# useradd -g share share2
[root@localhost ~]# passwd share1                                   # 给用户share1与share2
设立密码
Changing password for user share1.
New password:                                                       # passwd： 111111
（测试用）
BAD PASSWORD: The password is a palindrome
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost ~]# passwd share2
Changing password for user share2.
New password:                                                       # passwd： 111111
（测试用）
BAD PASSWORD: The password is a palindrome
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost ~]# smbpasswd -a share1                             # 建立于系统中同名的
samba账号
New SMB password:                                                   # passwd： 111111
（测试用）
Retype new SMB password:
Added user share1.
[root@localhost ~]# smbpasswd -a share2
New SMB password:                                                   # passwd： 111111
（测试用）
Retype new SMB password:
Added user share2.
```

④ 修改smb.conf

```
[root@localhost ~]# vim /etc/samba/smb.conf
[share]                                    # 定义共享文件 目录要求
    comment = share                        # 注释说明 文件名为share
    path = /textshare/share                # 分享文件的路径（绝对路径地址）
    writable = yes                         # 是否可以读写
    browseable = yes                       # 指定该共享是否可以浏览
    valid users = @share                   # 允许访问该共享的用户 @share
                                           # invalid users = 禁止访问该共享的用户
```



comment	注释说明
path	分享资源的完整路径名称，除了路径要正确外，目录的权限也要设对（绝对路径）
browseable	是yes/否no在浏览资源中显示共享目录，若为否则必须指定共享路径才能存取
printable	是yes/否no允许打印
hide dot ftles	是yes/否no隐藏隐藏文件
public	是yes/否no 公开共享，若为否则进行身份验证(只有当security = share 时此项才起作用)
guest ok	是yes/否no 公开共享，若为否则进行身份验证(只有当security = share 时此项才起作用)
read only	是yes/否no 以只读方式共享当与writable发生冲突时也writable为准
writable	是yes/否no可写 不以只读方式共享 当与read only发生冲突时，无视read only
vaild users	设定只有此名单内的用户才能访问共享资源(拒绝优先)(用户名/@组名)
invalid users	设定只有此名单内的用户不能访问共享资源(拒绝优先)(用户名/@组名)
read list	设定此名单内的成员为只读(用户名/@组名)
write list	若设定为只读时，则只有此设定的名单内的成员才可作写入动作(用户名/@组名)
create mask	建立文件时所给的权限
directory mask	建立目录时所给的权限
force group	指定存取资源时须以此设定的群组使用者进入才能存取(用户名/@组名)
force user	指定存取资源时须以此设定的使用者进入才能存取(用户名/@组名)
allow hosts	设定只有此网段/IP的用户才能访问共享资源
allwo hosts	网段 except IP
deny hosts	设定只有此网段/IP的用户不能访问共享资源
allow hosts	本网段指定IP指定IP
deny hosts	指定IP本网段指定IP

⑤ 修改共享目录本地系统权限

```
[root@localhost textshare]# chmod 777 /textshare/share/ -R
[root@localhost textshare]# chown share1:share /textshare/share/ -R
[root@localhost textshare]# chown share2:share /textshare/share/ -R
[root@localhost textshare]# ll
total 0
drwxrwxrwx. 2 share2 share 28 Dec 21 01:32 share
```

⑥ 修改context值 放行防火墙

```
[root@localhost textshare]# chcon -t samba_share_t /textshare/share/ -R
[root@localhost textshare]# firewall-cmd --permanent --add-service=samba
success
[root@localhost textshare]# firewall-cmd --reload                          #重新加载
防火墙
success
[root@localhost textshare]# firewall-cmd --list-all
public (active)
  target: default
  icmp-block-inversion: no
  interfaces: ens160
  sources:
  services: cockpit dhcpv6-client samba ssh
  ports:
  protocols:
  masquerade: no
  forward-ports:
  source-ports:
  icmp-blocks:
  rich rules:
[root@localhost textshare]# systemctl restart smb nmb --now                #重启服务
```

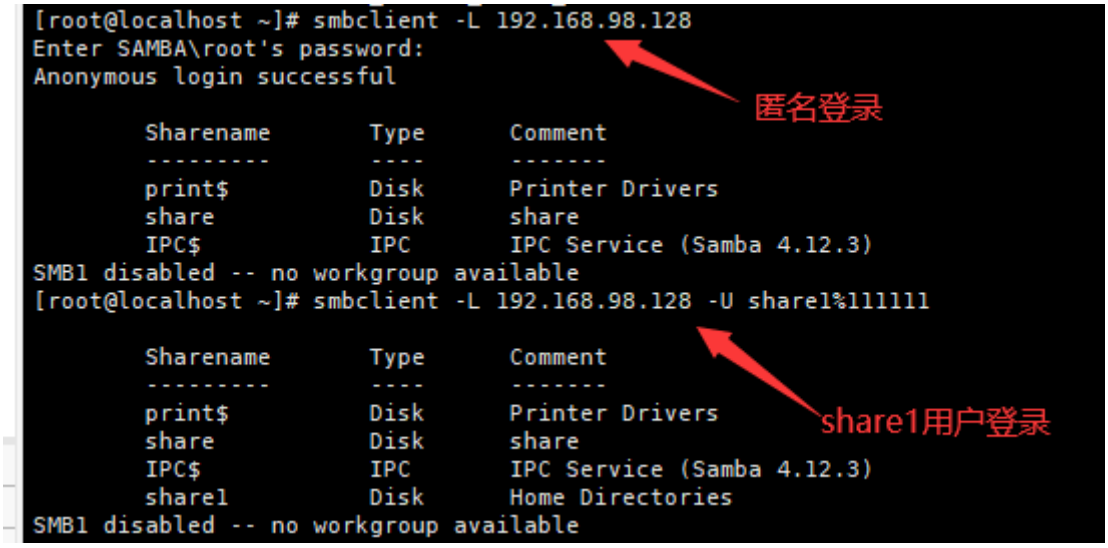
二、linux测试连接

①安装samba服务端 和支持文件共享服务的软件包（cifs-utils）

```
  yum install samba-client -y
  yum install cifs-utils.x86_64 -y
```

②使用smbclient 访问服务器

Ⅰ、测试



II、连接

```
[root@localhost ~]# smbclient //192.168.98.128/share -U share2%111111
Try "help" to get a list of possible commands.
smb: \> ls
  .                                   D        0  Mon Dec 21 03:04:30 2020
  ..                                  D        0  Mon Dec 21 01:58:02 2020
  text_share.tar                      N        0  Mon Dec 21 01:32:51 2020
  nmb.txt                             N        0  Mon Dec 21 01:58:12 2020
  123.txt                             A        0  Mon Dec 21 03:04:28 2020

        17811456 blocks of size 1024. 13365092 blocks available
smb: \> mkdir testdir                   ## 新建目录测试
smb: \> ls                              ## 新建成功
  .                                   D        0  Mon Dec 21 03:26:46 2020
  ..                                  D        0  Mon Dec 21 01:58:02 2020
  text_share.tar                      N        0  Mon Dec 21 01:32:51 2020
  nmb.txt                             N        0  Mon Dec 21 01:58:12 2020
  123.txt                             A        0  Mon Dec 21 03:04:28 2020
  testdir                             D        0  Mon Dec 21 03:26:46 2020

        17811456 blocks of size 1024. 13365092 blocks available
smb: \> exit
```

③ Linux端 挂载共享目录

```
[root@localhost ~]# mkdir -p /mnt/smb_share
[root@localhost ~]# mount -t cifs //192.168.98.128/share /mnt/smb_share/ -o
username=share1
Password for share1@//192.168.98.128/share:  ******
[root@localhost ~]# df -h
Filesystem              Size  Used Avail Use% Mounted on
devtmpfs                952M     0  952M   0% /dev
tmpfs                   981M     0  981M   0% /dev/shm
tmpfs                   981M   18M  963M   2% /run
tmpfs                   981M     0  981M   0% /sys/fs/cgroup
/dev/mapper/rhel-root    17G  4.3G   13G  26% /
/dev/sda1              1014M  210M  805M  21% /boot
tmpfs                   196M  1.2M  195M   1% /run/user/42
tmpfs                   196M  4.6M  192M   3% /run/user/0
//192.168.98.128/share   17G  4.3G   13G  25% /mnt/smb_share
```