

Лабораторная работа

Номер 14

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Информация

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Приобретение навыков настройки доступа групп пользователей к общим ресурсам по протоколу SMB.

Установка пакетов Samba на сервере

```
[dmmosharov@server.dmmosharov.net ~]$ sudo -i
[sudo] password for dmmosharov:
[root@server.dmmosharov.net ~]# dnf -y install samba sam
ba-client cifs-utils
Rocky Linux 10 - BaseOS 1.8 kB/s | 4.3 kB    00:02
Rocky Linux 10 - AppStr 14 kB/s | 4.3 kB    00:00
Rocky Linux 10 - CRB    14 kB/s | 4.3 kB    00:00
Rocky Linux 10 - Extras 11 kB/s | 3.1 kB    00:00
Dependencies resolved.
=====
Package           Arch  Version      Repo          Size
=====
Installing:
  cifs-utils       x86_64 7.2-1.el10   baseos        117 k
  samba            x86_64 4.22.4-106.el10 baseos        959 k
  samba-client     x86_64 4.22.4-106.el10 appstream     770 k
Installing dependencies:
  libnetapi        x86_64 4.22.4-106.el10 baseos        144 k
  samba-common-tools x86_64 4.22.4-106.el10 baseos        481 k
  samba-dcerpc     x86_64 4.22.4-106.el10 baseos        716 k
  samba-ldb-ldap-modules x86_64 4.22.4-106.el10 baseos        35 k
  samba-libs       x86_64 4.22.4-106.el10 baseos        124 k

Transaction Summary
=====
Install 8 Packages
```

Рис. 1: Установка пакетов Samba на сервере

Создание пользователей, групп и каталога

```
Complete!  
[root@server.dmmosharov.net ~]# groupadd -g 1010 sambagr  
oup  
[root@server.dmmosharov.net ~]# usermod -aG sambagroup d  
mmosharov  
[root@server.dmmosharov.net ~]# mkdir -p /srv/sambashare  
[root@server.dmmosharov.net ~]# nano /etc/samba/smb.conf
```

Рис. 2: Создание пользователей, групп и каталога

Настройка smb.conf

```
[global]
workgroup = DMOSHAROV-NET
security = user

passdb backend = tdbsam

printing = cups
printcap name = cups
load printers = yes
cups options = raw

# Install samba-usershares package for support
include = /etc/samba/usershares.conf

[homes]
comment = Home Directories
valid users = %S, %Dw%S
browseable = No
read only = No
inherit acls = Yes

[printers]
comment = All Printers
path = /var/tmp
printable = Yes
create mask = 0600
browseable = No

[print$]
comment = Printer Drivers
path = /var/lib/samba/drivers
# printadmin is a local group
write list = printadmin root
force group = printadmin
create mask = 0664
directory mask = 0775

[sambashare]
comment = My Samba Share
path = /srv/sambashare
write list = @sambagroup
```

Рис. 3: Настройка smb.conf

Проверка конфигурации

```
[root@server.dmmosharov.net ~]# testparm
Load smb config files from /etc/samba/smb.conf
Loaded services file OK.
Weak crypto is allowed by GnuTLS (e.g. NTLM as a compatibility fallback)

Server role: ROLE_STANDALONE

Press enter to see a dump of your service definitions

# Global parameters
[global]
    printcap name = cups
    security = USER
    workgroup = DMMOSHAROV-NET
    idmap config * : backend = tdb
    cups options = raw
    include = /etc/samba/usershares.conf

[homes]
    browseable = No
    comment = Home Directories
    inherit acls = Yes
    read only = No
    valid users = %S SDRwS

[printers]
    browseable = No
    comment = All Printers
    create mask = 0600
    path = /var/tmp
    printable = Yes

[print$]
    comment = Printer Drivers
    create mask = 0664
    directory mask = 0775
    force group = printadmin
    path = /var/lib/samba/drivers
    write list = printadmin root

[smbshare]
    comment = My Samba Share
    path = /srv/smbshare
    write list = @smbgroup
[root@server.dmmosharov.net ~]#
```

Рис. 4: Проверка конфигурации

Запуск службы SMB

```
[root@server.dmmosharov.net ~]# systemctl start smb
[root@server.dmmosharov.net ~]# systemctl enable smb
Created symlink '/etc/systemd/system/multi-user.target.wants/smb.service' → '/usr/lib/systemd/system/smb.service'.

[root@server.dmmosharov.net ~]# systemctl status smb
● smb.service - Samba SMB Daemon
   Loaded: loaded (/usr/lib/systemd/system/smb.service; vendor preset: enabled)
   Active: active (running) since Mon 2026-02-02 12:03:33; 1min 1s ago
     Invocation: f90c77d9295e4080a2ba6e817748eded
       Docs: man:smbd(8)
             man:samba(7)
             man:smb.conf(5)
    Main PID: 14754 (smbd)
      Status: "smbd: ready to serve connections..."
        Tasks: 3 (limit: 22836)
      Memory: 13.2M (peak: 13.7M)
         CPU: 58ms
    CGroup: /system.slice/smb.service
            └─14754 /usr/sbin/smbd --foreground --no-pid
               └─14757 /usr/sbin/smbd --foreground --no-pid
                  └─14758 /usr/sbin/smbd --foreground --no-pid

Feb 02 12:03:33 server.dmmosharov.net systemd[1]: Start of smb.service: finished
Feb 02 12:03:33 server.dmmosharov.net systemd[1]: Start of smb.service: finished
lines 1-19/19 (END)
```

Рис. 5: Запуск службы SMB

Проверка доступа через smbclient

```
[root@server.dmmosharov.net ~]# smbclient -L //server
Password for [DMMOSHAROV-NET\root]:
Anonymous login successful
```

| Sharename | Type | Comment |
|------------|------|------------------------|
| ----- | ---- | ----- |
| print\$ | Disk | Printer Drivers |
| sambashare | Disk | My Samba Share |
| IPC\$ | IPC | IPC Service (Samba 4.2 |

```
2.4)
SMB1 disabled -- no workgroup available
[root@server.dmmosharov.net ~]# less /usr/lib/firewalld/
services/samba.xml
```

Рис. 6: Проверка доступа через smbclient

Файл конфигурации службы samba.xml

```
<?xml version="1.0" encoding="utf-8"?>
<service>
  <short>Samba</short>
  <description>This option allows you to access and part
icipate in Windows file and printer sharing networks. Yo
u need the samba package installed for this option to be
useful.</description>
  <include service="samba-client"/>
  <port protocol="tcp" port="139"/>
  <port protocol="tcp" port="445"/>
</service>
~
```

Рис. 7: Файл конфигурации службы samba.xml

Настройка Firewall и прав доступа

```
[root@server.dmmosharov.net ~]# firewall-cmd --add-service=samba
success
[root@server.dmmosharov.net ~]# firewall-cmd --add-service=samba --permanent
success
[root@server.dmmosharov.net ~]# firewall-cmd --reload
success
[root@server.dmmosharov.net ~]# chgrp sambagroup /srv/sambashare
[root@server.dmmosharov.net ~]# chmod g=rwx /srv/sambashare
[root@server.dmmosharov.net ~]# cd /srv
[root@server.dmmosharov.net srv]# ls -Z
unconfined_u:object_r:nfs_t:s0 nfs
unconfined_u:object_r:var_t:s0 sambashare
[root@server.dmmosharov.net srv]#
```

Рис. 8: Настройка Firewall и прав доступа

Настройка контекста SELinux

```
[root@server.dmmosharov.net srv]# semanage fcontext -a -  
t samba_share_t "/srv/sambashare(/.*)?"  
[root@server.dmmosharov.net srv]# restorecon -vR /srv/sa  
mbashare  
Relabeled /srv/sambashare from unconfined_u:object_r:var  
_t:s0 to unconfined_u:object_r:samba_share_t:s0  
[root@server.dmmosharov.net srv]# cd /srv  
[root@server.dmmosharov.net srv]# ls -Z  
unconfined_u:object_r:nfs_t:s0 nfs  
unconfined_u:object_r:samba_share_t:s0 sambashare  
[root@server.dmmosharov.net srv]#
```

Рис. 9: Настройка контекста SELinux

```
[root@server.dmmosharov.net srv]# setsebool samba_export
_all_rw 1
[root@server.dmmosharov.net srv]# setsebool samba_export
_all_rw 1 -P
[root@server.dmmosharov.net srv]# id
uid=0(root) gid=0(root) groups=0(root) context=unconfine
d_u:unconfined_r:unconfined_t:s0-s0:c0.c1023
[root@server.dmmosharov.net srv]# logout
[dmmosharov@server.dmmosharov.net ~]$ id
uid=1001(dmmosharov) gid=1001(dmmosharov) groups=1001(dm
mosharov),10(wheel) context=unconfined_u:unconfined_r:un
confined_t:s0-s0:c0.c1023
[dmmosharov@server.dmmosharov.net ~]$
```

Рис. 10: Настройка boolean SELinux

Создание тестового файла и SMB-пользователя

```
[dmmosharov@server.dmmosharov.net ~]$ cd /srv/sambashare
[dmmosharov@server.dmmosharov.net sambashare]$ touch use
r@server.txt
touch: cannot touch 'user@server.txt': Permission denied
[dmmosharov@server.dmmosharov.net sambashare]$ sudo touc
h user@server.txt
[sudo] password for dmmosharov:
[dmmosharov@server.dmmosharov.net sambashare]$ smbpasswd
-L -a dmmosharov
smbpasswd -L can only be used by root.
[dmmosharov@server.dmmosharov.net sambashare]$ sudo smbpa
sswd -L -a dmmosharov
[sudo] password for dmmosharov:
New SMB password:
Retype new SMB password:
Added user dmmosharov.
[dmmosharov@server.dmmosharov.net sambashare]$
```

Рис. 11: Создание тестового файла и SMB-пользователя

Установка пакетов на клиенте

```
[demosharoveclient.demosharov.net ~]$ sudo dnf -y install samba
client cifs-utils
[sudo] password for demosharov:
Last metadata expiration check: 0:14:34 ago on Mon 02 Feb 2026
12:22:01 PM UTC.
Dependencies resolved.
=====
Package      Arch      Version      Repository    Size
=====
Installing:
  cifs-utils  x86_64    7.2-1.el10   baseos       117 k
  samba-client x86_64    4.22.4-106.el10 appstream     770 k
=====
Transaction Summary
=====
Install 2 Packages

Total download size: 887 k
Installed size: 3.0 M
Downloading Packages:
(1/2): samba-client-4.22.4-106 305 kB/s | 770 kB  00:02
(2/2): cifs-utils-7.2-1.el10.x  22 kB/s | 117 kB  00:05
-----
Total                               81 kB/s | 887 kB  00:10
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      : samba-client-4.22.4-106.el10.x86_64 1/1
  Installing     : samba-client-4.22.4-106.el10.x86_64 1/2
  Running scriptlet: samba-client-4.22.4-106.el10.x86_64 1/2
  Installing     : cifs-utils-7.2-1.el10.x86_64 2/2
  Running scriptlet: cifs-utils-7.2-1.el10.x86_64 2/2

Installed:
  cifs-utils-7.2-1.el10.x86_64
  samba-client-4.22.4-106.el10.x86_64

Complete!
[demosharoveclient.demosharov.net ~]$ less /usr/lib/udev/rules.d/
rules/samba-client.xml
```

Рис. 12: Установка пакетов на клиенте


```
<?xml version="1.0" encoding="utf-8"?>
<service>
  <short>Samba Client</short>
  <description>This option allows you to access Windows file and
  printer sharing networks. You need the samba-client package i
  nstalled for this option to be useful.</description>
  <include service="netbios-ns"/>
  <port protocol="udp" port="138"/>
</service>
~
```

Рис. 13: Просмотр samba-client.xml

Настройка окружения на клиенте

```
[root@client.dmmosharov.net ~]# firewall-cmd --add-service=samba-client
success
[root@client.dmmosharov.net ~]# firewall-cmd --add-service=samba-client --permanent
success
[root@client.dmmosharov.net ~]# firewall-cmd --reload
success
[root@client.dmmosharov.net ~]# groupadd -g 1010 sambagroup
[root@client.dmmosharov.net ~]# usermod -aG sambagroup dmmosharov
[root@client.dmmosharov.net ~]# nano /etc/samba/smb.conf
```

Рис. 14: Настройка окружения на клиенте

Настройка рабочей группы на клиенте

```
GNU nano 8.1 /etc/samba/smb.conf
# See smb.conf.example for a more detailed config file or
# read the smb.conf manpage.
# Run 'testparm' to verify the config is correct after
# you modified it.
#
# Note:
# SMB1 is disabled by default. This means clients without supp>
# SMB3 are no longer able to connect to smbd (by default).

[global]
    workgroup = DMMOSHAROV-NET
    security = user

    passdb backend = tdbsam

    printing = cups
    printcap name = cups
    load printers = yes
    cups options = raw
```

Рис. 15: Настройка рабочей группы на клиенте

Проверка списка ресурсов сервера с клиента

```
[dmmosharov@client.dmmosharov.net ~]$ smbclient -L //server -U  
dmmosharov  
Password for [DMMOSHAROV-NET\dmmosharov]:  
  
      Sharename      Type      Comment  
      -  
print$      Disk      Printer Drivers  
sambashare   Disk      My Samba Share  
IPC$        IPC       IPC Service (Samba 4.22.4)  
dmmosharov   Disk      Home Directories  
SMB1 disabled -- no workgroup available  
[dmmosharov@client.dmmosharov.net ~]$
```

Рис. 16: Проверка списка ресурсов сервера с клиента

Ручное монтирование и проверка записи

```
[dmmosharov@client.dmmosharov.net ~]$ sudo mkdir /mnt/samba
[sudo] password for dmmosharov:
Sorry, try again.
[sudo] password for dmmosharov:
[dmmosharov@client.dmmosharov.net ~]$ mount -o username=dmmosharov,user,rw,uid=dmmosharov,gid=sambagroup //server/smbashare /mnt/samba
mount: (hint) your fstab has been modified, but systemd still uses the old version; use 'systemctl daemon-reload' to reload .
[dmmosharov@client.dmmosharov.net ~]$ sudo mount -o username=dmmosharov,user,rw,uid=dmmosharov,gid=sambagroup //server/smbashare /mnt/samba
Password for dmmosharov@//server/smbashare:
mount: (hint) your fstab has been modified, but systemd still uses the old version; use 'systemctl daemon-reload' to reload .
[dmmosharov@client.dmmosharov.net ~]$ cd /mnt/samba
[dmmosharov@client.dmmosharov.net samba]$ touch dmmosharov@client.txt
[dmmosharov@client.dmmosharov.net samba]$ ls
dmmosharov@client.txt  user@server.txt
[dmmosharov@client.dmmosharov.net samba]$ ls
dmmosharov@client.txt  dmmosharov@server.txt
[dmmosharov@client.dmmosharov.net samba]$ cd ..
[dmmosharov@client.dmmosharov.net mnt]$ umount /mnt/samba
umount: /mnt/samba: must be superuser to unmount.
[dmmosharov@client.dmmosharov.net mnt]$ sudo umount /mnt/samba
[dmmosharov@client.dmmosharov.net mnt]$
```

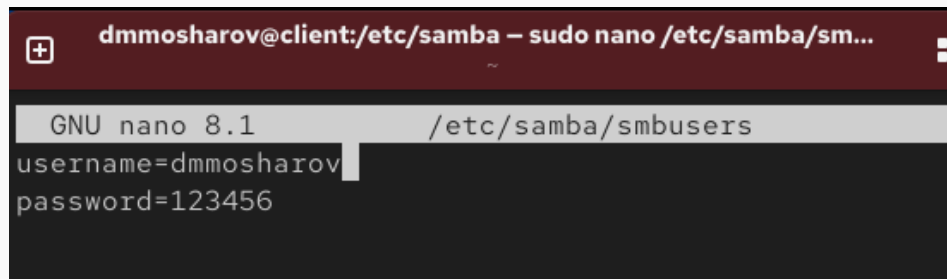
Рис. 17: Ручное монтирование и проверка записи

Создание файла учетных данных

```
[dmmosharov@client.dmmosharov.net samba]$ sudo touch /etc/samba/smbusers
[dmmosharov@client.dmmosharov.net samba]$ chmod 600 /etc/samba/smbusers
chmod: changing permissions of '/etc/samba/smbusers': Operation not permitted
[dmmosharov@client.dmmosharov.net samba]$ sudo chmod 600 /etc/samba/smbusers
[dmmosharov@client.dmmosharov.net samba]$ sudo nano /etc/samba/smbusers
[dmmosharov@client.dmmosharov.net samba]$
```

Рис. 18: Создание файла учетных данных

Содержимое файла smbusers



The image shows a terminal window with a dark red title bar. The title bar text is "dmmosharov@client:/etc/samba – sudo nano /etc/samba/sm...". On the left of the title bar is a square icon with a plus sign, and on the right are two small square window control icons. The main area of the terminal has a light gray header bar that reads "GNU nano 8.1" on the left and "/etc/samba/smbusers" on the right. Below the header bar, the text "username=dmmosharov" is on one line and "password=123456" is on the next line. A white cursor is positioned at the end of the "username=dmmosharov" line.

```
dmmosharov@client:/etc/samba – sudo nano /etc/samba/sm...
GNU nano 8.1 /etc/samba/smbusers
username=dmmosharov
password=123456
```

Рис. 19: Содержимое файла smbusers

Редактирование fstab

```
GNU nano 8.1 /etc/fstab
#
# /etc/fstab
# Created by anaconda on Tue Nov 25 17:14:02 2025
#
# Accessible filesystems, by reference, are maintained under '/dev/disk/'.
# See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info.
#
# After editing this file, run 'systemctl daemon-reload' to update systemd
# units generated from this file.
#
UUID=d3e7b147-c1d6-424e-819d-7a2628a132ec / xfs defaults 0 0
UUID=86c00fec-6d70-4d3e-9d8f-62dca78372f5 /boot xfs defaults 0 0
UUID=3D80-501E /boot/efi vfat umask=0077,shortname=winnt 0 2
UUID=e7ad08e1-c163-42a6-8723-3d23736bc2c9 /home xfs defaults 0 0
UUID=84ebe6ba-1981-4517-8c07-547bd3127c94 none swap defaults 0 0
server.dmmosharov.net:/srv/nfs /mnt/nfs nfs _netdev 0 0
#VAGRANT-BEGIN
# The contents below are automatically generated by Vagrant. Do not modify.
vagrant /vagrant vboxsf uid=1000,gid=1000,_netdev 0 0
#VAGRANT-END
//server/samba/share /mnt/samba cifs user,rw,uid=dmmosharov,gid=sambagroup credentials=/etc/samba/smbuser.p
```

Рис. 20: Редактирование fstab

Проверка автоматического монтирования

```
[dmmosharov@client.dmmosharov.net samba]$ sudo nano /etc/fstab
[dmmosharov@client.dmmosharov.net samba]$ sudo mount -a
[dmmosharov@client.dmmosharov.net samba]$ ls samba/
ls: cannot access 'samba/': No such file or directory
[dmmosharov@client.dmmosharov.net samba]$ cd ..
[dmmosharov@client.dmmosharov.net mnt]$ ls samba/
dmmosharov@client.txt  dmmosharov@server.txt
[dmmosharov@client.dmmosharov.net mnt]$ █
```

Рис. 21: Проверка автоматического монтирования

Список файлов в общем ресурсе

```
Password:
Last login: Mon Feb  2 12:36:15 UTC 2026 on pts/0
[dmmosharov@client.dmmosharov.net ~]$ cd /mnt/samba
[dmmosharov@client.dmmosharov.net samba]$ cd ..
[dmmosharov@client.dmmosharov.net mnt]$ ls samba/
dmmosharov@client.txt  dmmosharov@server.txt
[dmmosharov@client.dmmosharov.net mnt]$ █
```

Рис. 22: Список файлов в общем ресурсе

Подготовка каталогов provision на сервере

```
[dmmosharov@server.dmmosharov.net sambashare]$ sudo touch dmmosharov@server.txt
[dmmosharov@server.dmmosharov.net sambashare]$ cd /vagrant/provision/server
[dmmosharov@server.dmmosharov.net server]$ mkdir -p /vagrant/provision/server/smb/etc/samba
[dmmosharov@server.dmmosharov.net server]$ cp -R /etc/samba/smb.conf /vagrant/provision/server/smb/etc/samba/
[dmmosharov@server.dmmosharov.net server]$ cd /vagrant/provision/server
[dmmosharov@server.dmmosharov.net server]$ touch smb.sh
[dmmosharov@server.dmmosharov.net server]$ sudo chmod +x smb.sh
[sudo] password for dmmosharov:
[dmmosharov@server.dmmosharov.net server]$ nano smb.sh
```

Рис. 23: Подготовка каталогов provision на сервере

Скрипт smb.sh для сервера

```
GNU nano 8.1          smb.sh
#!/bin/bash
LOGIN=dmmosharov
PASS=123456

echo "Provisioning script $0"
echo "Install needed packages"
dnf -y install samba samba-client cifs-utils
echo "Copy configuration files"
cp -R /vagrant/provision/server/smb/etc/* /etc
chown -R root:root /etc/samba/*
restorecon -vR /etc
echo "Configure firewall"
firewall-cmd --add-service samba --permanent
firewall-cmd --reload
echo "Users and groups"
groupadd -g 1010 sambagroup
usermod -aG sambagroup $LOGIN
echo -ne "$PASS\n$PASS\n" | smbpasswd -L -a -s $LOGIN
echo "Make share dir"
mkdir -p /srv/sambashare
chgrp sambagroup /srv/sambashare
chmod g+rx /srv/sambashare
echo "Tuning SELinux"
semanage fcontext -a -t samba_share_t "/srv/sambashare(/.*)?"
setsebool samba_export_all_rw 1
setsebool samba_export_all_rw 1 -P
restorecon -vR /srv/sambashare
echo "Start smb service"
systemctl enable smb
systemctl start smb
systemctl restart firewalld
```

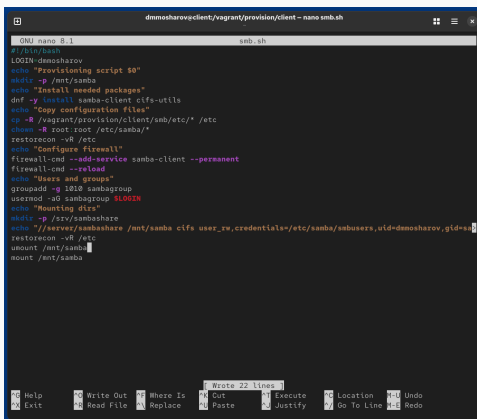
Рис. 24: Скрипт smb.sh для сервера

Подготовка каталогов provision на клиенте

```
[dmmosharov@client.dmmosharov.net mnt]$ cd /vagrant/provision/client
[dmmosharov@client.dmmosharov.net client]$ mkdir -p /vagrant/provision/client/smb/etc/samba
[dmmosharov@client.dmmosharov.net client]$ cp -R /etc/samba/smb.conf /vagrant/provision/client/smb/etc/samba/
[dmmosharov@client.dmmosharov.net client]$ cp -R /etc/samba/smbusers /vagrant/provision/client/smb/etc/samba/
cp: cannot open '/etc/samba/smbusers' for reading: Permission denied
[dmmosharov@client.dmmosharov.net client]$ sudo cp -R /etc/samba/smbusers /vagrant/provision/client/smb/etc/samba/
[sudo] password for dmmosharov:
[dmmosharov@client.dmmosharov.net client]$ cd /vagrant/provision/client
[dmmosharov@client.dmmosharov.net client]$ touch smb.sh
[dmmosharov@client.dmmosharov.net client]$ chmod +x smb.sh
[dmmosharov@client.dmmosharov.net client]$ nano smb.sh
```

Рис. 25: Подготовка каталогов provision на клиенте

Скрипт smb.sh для клиента

A screenshot of a terminal window titled "dmmosharov@client: vagrant/provision/client - nano smb.sh". The terminal shows the content of a script named "smb.sh" being edited in nano 8.1. The script includes commands for setting the shell, logging in as demosharov, provisioning a script, creating a directory, installing packages, copying configuration files, setting permissions, restoring permissions, configuring the firewall, adding users and groups, mounting a share, and restoring permissions. The script ends with a prompt for the user to press a key.

```
#!/bin/bash
LOGIN=demosharov
echo "Provisioning script 50"
mkdir -p /mnt/samba
echo "Install needed packages"
dnf -y install samba-client cifs-utils
echo "Copy configuration files"
cp -R /vagrant/provision/client/smb/etc/* /etc
chown -R root:root /etc/samba/*
restorecon -vR /etc
echo "Configure firewall"
firewall-cmd --add-service samba-client --permanent
firewall-cmd --reload
echo "Users and groups"
groupadd -g 1010 sambagroup
usermod -aG sambagroup $LOGIN
echo "Mounting dirs"
mkdir -p /srv/sambashare
echo "//server/sambashare /mnt/samba cifs user_rw,credentials=/etc/samba/smbusers,uid=demosharov,gid=sambagroup"
restorecon -vR /etc
umount /mnt/samba
mount /mnt/samba
```

Рис. 26: Скрипт smb.sh для клиента

Обновленный Vagrantfile

```
120 server.vm.provision "DB server",
121   type: "shell",
122   preserve_order: true,
123   path: "provision/server/db.sh"
124 end
125
126 # Client configuration
127 config.vm.define "client", autostart: false do |client|
128   client.vm.box = "rockylinux8"
129   client.vm.hostname = "client"
130
131   client.vm.boot_timeout = 1440
132
133   client.vm.insert_key = false
134   client.vm.username = "vagrant"
135   client.vm.password = "vagrant"
136
137   client.vm.network :private_network,
138     type: "dhcp",
139     virtualbox____l2mac: true
140
141   client.vm.provider :virtualbox do |virtualbox|
142     virtualbox.customize ["modify", :id, "--name", "m"]
143     virtualbox.customize ["modify", :id, "--snapshot", "1992"]
144   end
145
146   client.vm.provision "client dummy",
147     type: "shell",
148     preserve_order: true,
149     path: "provision/client/01-dummy.sh"
150
151   client.vm.provision "client routing",
152     type: "shell",
153     preserve_order: true,
154     path: "provision/client/01-routing.sh"
155
156   client.vm.provision "client mail",
157     type: "shell",
158     preserve_order: true,
159     path: "provision/client/mail.sh"
160
161   client.vm.provision "client ntp",
162     type: "shell",
163     preserve_order: true,
164     path: "provision/client/ntp.sh"
165
166   client.vm.provision "client nfs",
167     type: "shell",
168     preserve_order: true,
169     path: "provision/client/nfs.sh"
170
171   client.vm.provision "DB client",
172     type: "shell",
173     preserve_order: true,
174     path: "provision/client/db.sh"
175 end
```

Рис. 27: Обновленный Vagrantfile

В результате выполнения лабораторной работы были получены навыки настройки и использования Samba