

Samba megosztás és beállításai

FELADAT LEÍRÁS

Samba szoftver feltelepítésének és konfigurálásának ledokumentálása, illetve annak tesztelése egy Kali Linux alapú VM segítségével. Automatikus mappa felcsatolás FSTAB használatával.

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Debian (SAMBA)

Csomag telepítés

Parancs:

```
apt install samba-common-bin cifs-utils -y
```

```
root@bda:~# apt install samba-common-bin cifs-utils -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
samba-common-bin is already the newest version (2:4.17.12+dfsg-0+deb12u1).
cifs-utils is already the newest version (2:7.0-2).
The following package was automatically installed and is no longer required:
  linux-image-6.1.0-25-amd64
Use 'apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@bda:~#
```

1. ábra Samba csomag telepítése

Jogosultság kezelés

Parancs(ok):

```
chown root:research research_logs
chown root:development development_logs
chown root:rdshare RD_share

chmod 770 research_logs/
chmod 770 development_logs/
chmod 770 RD_share/
```

```
root@bda:/home# ls -l
total 36
drwx----- 2 custom_user      users          4096 Sep 23 14:31 custom_user
drwx----- 8 dariusz         dariusz       4096 Oct  7 14:24 dariusz
drwxrwx--- 2 root            development   4096 Dec  3 21:45 development_logs
drwx----- 2 development_testuser development_testuser 4096 Dec  3 22:15 development_testuser
drwxr-xr-x 2 root            root          4096 Sep 16 14:35 joe
drwx----- 2 peti            peti          4096 Sep 23 13:31 peti
drwxrwx--- 2 root            rdshare       4096 Dec  3 21:45 RD_share
drwxrwx--- 2 root            research      4096 Dec  3 21:44 research_logs
drwx----- 2 research_testuser research_testuser 4096 Dec  3 22:14 research_testuser
root@bda:/home#
```

2. ábra Mappák jogosultságainak beállítása

```
root@bda:/home# usermod -aG research research_testuser
root@bda:/home# usermod -aG development development_testuser
root@bda:/home# usermod -aG rdshare development_testuser
root@bda:/home# usermod -aG rdshare research_testuser
```

3. ábra Felhasználók hozzáadása csoportokhoz

Alias

```
systemctl restart smbd.service
systemctl restart samba
alias restartsamba='systemctl restart smbd.service; systemctl restart samba'
```

```
root@bda:/home# systemctl restart samba
root@bda:/home# systemctl restart smbd
root@bda:/home# alias sambarestart="systemctl restart samba;systemctl restart smbd"
root@bda:/home# sambarestart
root@bda:/home# _
```

4. ábra Alias beállítása könnyű újraindításhoz

Mappa

Mappa kezelés

Parancs(ok):

```
mkdir research_logs
mkdir RD_share
mkdir development_logs
```

```
root@bda:~# cd /home
root@bda:/home# mkdir research_logs
root@bda:/home# mkdir development_logs
root@bda:/home# mkdir R&D_share
root@bda:/home# ls
custom_user  dariusz  development_logs  joe  peti  RD_share  research_logs
root@bda:/home# _
```

5. ábra Mappa létrehozás, megosztáshoz

Mappa megosztás

Parancs:

```
nano /etc/samba/smb.conf
```

```
[research]
comment = Research department documents
path = /home/research_logs
browsable = yes
read only = no
guest ok = no
valid users = @research
force group = research
create mask = 0660
directory mask = 0770
```

```
[development]
comment = Development department documents
path = /home/development_logs
browsable = yes
read only = no
guest ok = no
valid users = @development
force group = development
create mask = 0660
directory mask = 0770
```

```
[shared_data]
comment = Shared documents
path = /home/RD_share
browsable = yes
read only = no
guest ok = no
valid users = @rdshare
force group = rdshare
create mask 0460
directory mask = 0470
```

Felhasználók és csoportok

Parancs(ok):

```
adduser research_testuser
adduser development_testuser
```

```
root@bda:/home# cat /etc/passwd | grep testuser
research_testuser:x:1004:1004:::/home/research_testuser:/bin/bash
development_testuser:x:1005:1005:::/home/development_testuser:/bin/bash
root@bda:/home#
```

6. ábra Felhasználók ellenőrzése (*cat /etc/passwd | grep testuser*)

Parancs(ok):

```
addgroup research
addgroup development
addgroup rdshare
```

```
research_testuser:x:1004:
development_testuser:x:1005:
research:x:1006:
development:x:1007:
rdshare:x:1008:
root@bda:/home# _
```

7. ábra Csoportok ellenőrzése (*cat /etc/group*)

Samba felhasználó

Parancs(ok):

```
smbpasswd -a research_testuser
smbpasswd -a development_testuser
```

```
root@bda:/home# smbpasswd -a research_testuser
New SMB password:
Retype new SMB password:
Added user research_testuser.
root@bda:/home# smbpasswd -a development_testuser
New SMB password:
Retype new SMB password:
Added user development_testuser.
root@bda:/home# _
```

8. ábra Samba felhasználó készítés

Kali Linux (FSTAB)

Sources.list kezelés

Parancs(ok):

```
sudo nano /etc/apt/sources.list  
sudo apt update
```

```
(kali㉿kali)-[/etc/apt]  
$ cat sources.list  
# See https://www.kali.org/docs/general-use/kali-linux-sources-list-repositories/  
deb http://http.kali.org/kali kali-rolling main contrib non-free non-free-firmware  
deb https://deb.debian.org/debian bookworm main non-free-firmware  
deb-src https://deb.debian.org/debian bookworm main non-free-firmware  
deb https://security.debian.org/debian-security bookworm-security main non-free-firmware  
deb-src https://security.debian.org/debian-security bookworm-security main non-free-firmware  
deb https://deb.debian.org/debian bookworm-updates main non-free-firmware  
deb-src https://deb.debian.org/debian bookworm-updates main non-free-firmware  
  
# Additional line for source packages  
# deb-src http://http.kali.org/kali kali-rolling main contrib non-free non-free-firmware  
  
(kali㉿kali)-[/etc/apt]  
$
```

9. ábra sources.list

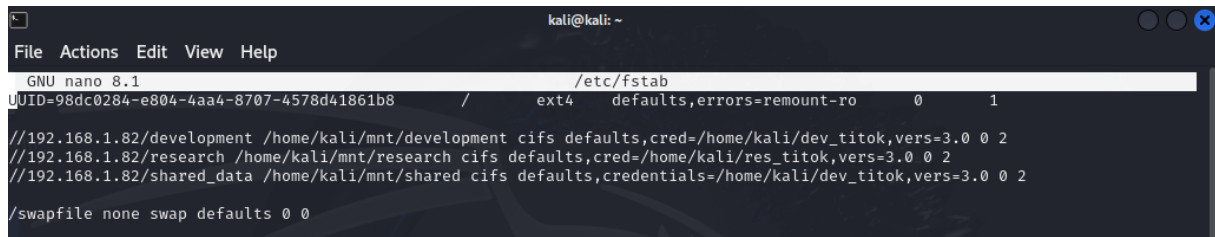
Csomag beállítása

```
mount -a össze mappa felcsatolása  
mount -l felcsatolt mappák megnézése  
sudo umount /home/kali/mnt csatolt mappa lecsatolása
```

Parancs(ok):

```
mkdir mnt  
sudo nano /etc/fstab
```

```
(kali㉿kali)-[~]  
$ ls -l  
total 36  
drwxr-xr-x 2 kali kali 4096 Dec  3 15:27 Desktop  
drwxr-xr-x 2 kali kali 4096 Dec  3 15:27 Documents  
drwxr-xr-x 2 kali kali 4096 Dec  3 15:27 Downloads  
drwxrwxr-x 2 kali kali 4096 Dec  5 12:57 mnt  
drwxr-xr-x 2 kali kali 4096 Dec  3 15:27 Music  
drwxr-xr-x 2 kali kali 4096 Dec  3 15:27 Pictures  
drwxr-xr-x 2 kali kali 4096 Dec  3 15:27 Public  
drwxr-xr-x 2 kali kali 4096 Dec  3 15:27 Templates  
drwxr-xr-x 2 kali kali 4096 Dec  3 15:27 Videos  
  
(kali㉿kali)-[~]  
$
```



```
kali@kali: ~
File Actions Edit View Help
GNU nano 8.1 /etc/fstab
UUID=98dc0284-e804-4aa4-8707-4578d41861b8 / ext4 defaults,errors=remount-ro 0 1

//192.168.1.82/development /home/kali/mnt/development cifs defaults,cred=/home/kali/dev_titok,vers=3.0 0 2
//192.168.1.82/research /home/kali/mnt/research cifs defaults,cred=/home/kali/res_titok,vers=3.0 0 2
//192.168.1.82/shared_data /home/kali/mnt/shared cifs defaults,credentials=/home/kali/dev_titok,vers=3.0 0 2

/swapfile none swap defaults 0 0
```

10. ábra Fstab txt

Credentials file

Parancs(ok):

```
nano res_titok
```

```
username=research_testuser
password=Passw0rd
```



```
(kali@kali)-[~]
$ nano dev_titok

(kali@kali)-[~]
$ nano res_titok

(kali@kali)-[~]
$ ls
Desktop  Documents  mnt      Pictures  res_titok  titkos
dev_titok Downloads  Music    Public    Templates  Videos

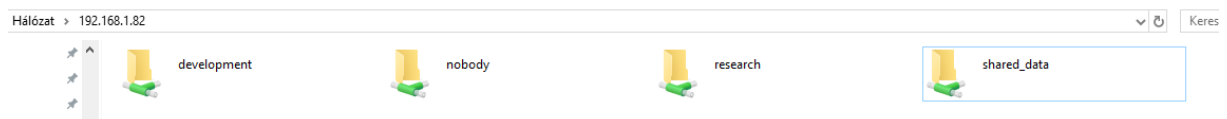
(kali@kali)-[~]
$ cat dev_titok
user=development_testuser
pass=Passw0rd

(kali@kali)-[~]
$ cat res_titok
user=research_testuser
pass=Passw0rd

(kali@kali)-[~]
$
```

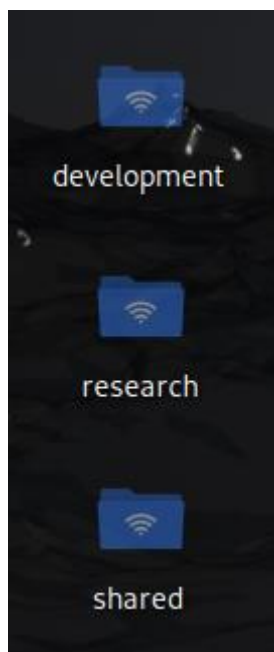
11. ábra Credentials txt

Mappa felcsatolás



12. ábra Windows felcsatolt mappa

Készült: 2025. május 22.



13. ábra Linux felcsatolt mappa