

# **File Server**

Workshop Administrasi Jaringan

Praktikum ke 5

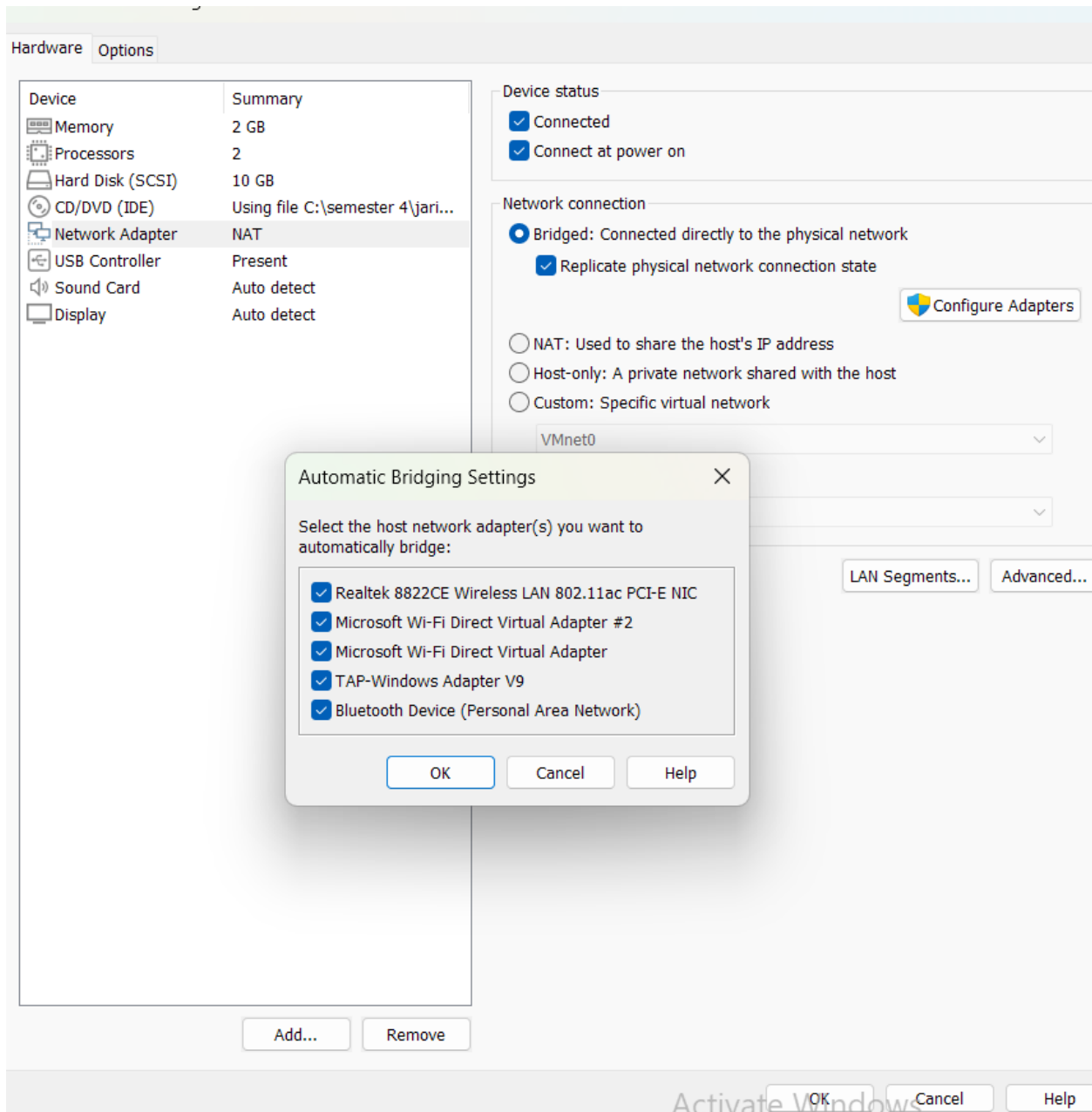


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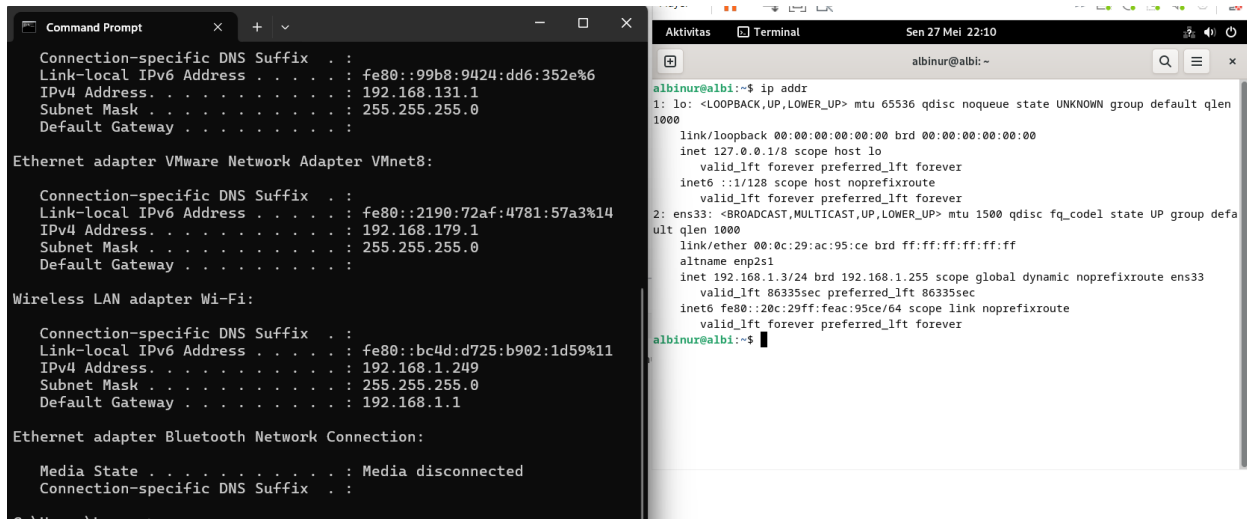
**PRODI D3 TEKNIK INFORMATIKA  
DEPARTEMEN TEKNIK INFORMATIKA DAN KOMPUTER  
PENS PSDKU SUMENEP**

## Samba File Server

### Setting Bridged Adapter untuk VMWare



Restart Linux lalu cek nomor IP VM Linux dan IP Windows



```
Command Prompt
Connection-specific DNS Suffix . : 
Link-local IPv6 Address . . . . . : fe80::99b8:9424:dd6:352e%6
IPv4 Address. . . . . : 192.168.131.1
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 

Ethernet adapter VMware Network Adapter VMnet8:

Connection-specific DNS Suffix . : 
Link-local IPv6 Address . . . . . : fe80::2190:72af:4781:57a3%14
IPv4 Address. . . . . : 192.168.179.1
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 

Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . : 
Link-local IPv6 Address . . . . . : fe80::bc4d:d725:b902:1d59%11
IPv4 Address. . . . . : 192.168.1.249
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.1.1

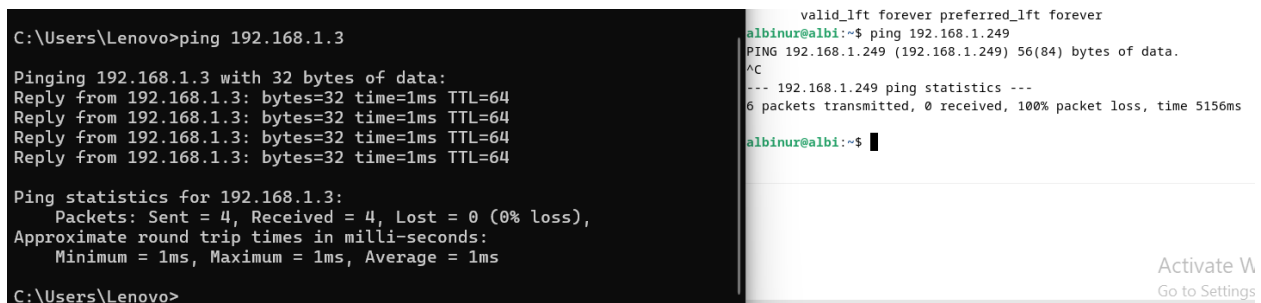
Ethernet adapter Bluetooth Network Connection:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . : 

albinur@albi:~$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:ac:95:ce brd ff:ff:ff:ff:ff:ff
    altname enp2s1
    inet 192.168.1.3/24 brd 192.168.1.255 scope global dynamic noprefixroute ens33
        valid_lft 86335sec preferred_lft 86335sec
    inet6 fe80::20c:29ff:feac:95ce/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
albinur@albi:~$
```

Jika alamat IP sudah benar maka selanjutnya

Ping dari linux ke windows dan sebaliknya



```
C:\Users\Lenovo>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:
Reply from 192.168.1.3: bytes=32 time=1ms TTL=64
Reply from 192.168.1.3: bytes=32 time=1ms TTL=64
Reply from 192.168.1.3: bytes=32 time=1ms TTL=64
Reply from 192.168.1.3: bytes=32 time=1ms TTL=64

Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 1ms, Average = 1ms

C:\Users\Lenovo>

albinur@albi:~$ ping 192.168.1.249
PING 192.168.1.249 (192.168.1.249) 56(84) bytes of data:
^C
--- 192.168.1.249 ping statistics ---
6 packets transmitted, 0 received, 100% packet loss, time 5156ms

albinur@albi:~$
```

# 1. Samba Server ↔ Samba Client (Windows)

## 1. Instalasi Samba Server

Update linux

```
albinur@albi:~$ su - root
Sandi:
root@albi:~# apt update
Hit:1 http://deb.debian.org/debian bookworm InRelease
Hit:2 http://deb.debian.org/debian bookworm-updates InRelease
Hit:3 http://security.debian.org/debian-security bookworm-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
79 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@albi:~# █
```

Install samba

```
root@albi:~# apt install samba
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  attr ibverbs-providers libcephfs2 libfmt9 libgfapi0 libgfrpc0 libgfxdr0
  libglusterfs0 libibverbs1 librados2 librdmacm1 liburing2 python3-anyio
  python3-click python3-colorama python3-dnspython python3-gpg python3-h11 python3-
  python3-hpack python3-httpcore python3-httpx python3-hyperframe python3-ldb
  python3-markdown python3-markdown-it python3-mdurl python3-pygments
  python3-requests-toolbelt python3-rfc3986 python3-rich python3-samba
  python3-sniffio python3-talloc python3-tdb python3-yaml samba-ad-provision
  samba-common samba-common-bin samba-dsdb-modules samba-vfs-modules tdb-tools
Suggested packages:
```

Cek versi samba

```
root@albi:~# smbstatus --version
Version 4.17.12-Debian
root@albi:~#
```

---

## 2. Konfigurasi Samba Server

File konfigurasi samba disimpan di `/etc/samba/smb.conf`.

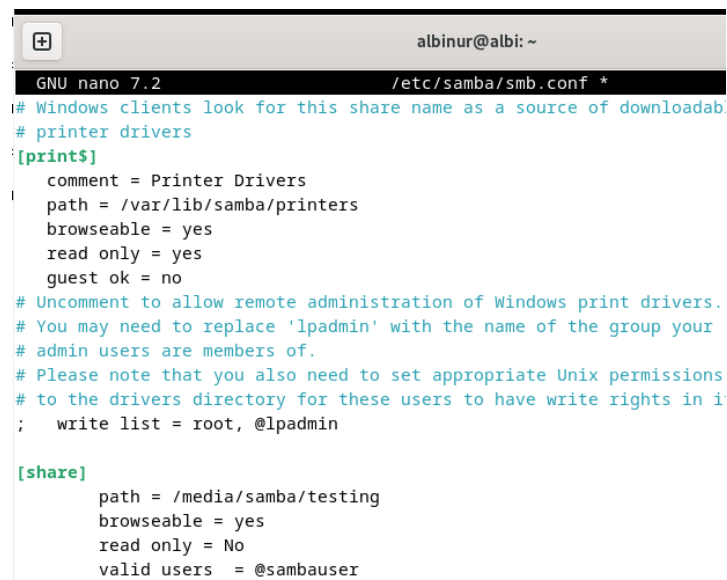
- Backup dulu file aslinya

```
#cp /etc/samba/smb.conf /etc/samba/smb.conf.orig
```

- Buka file `smb.conf`

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

- Pada baris paling bawah, ketikkan baris berikut.



```
albinur@albi: ~
GNU nano 7.2 /etc/samba/smb.conf *
# Windows clients look for this share name as a source of downloadab
# printer drivers
[printers]
    comment = Printer Drivers
    path = /var/lib/samba/printers
    browseable = yes
    read only = yes
    guest ok = no
# Uncomment to allow remote administration of Windows print drivers.
# You may need to replace 'lpadmin' with the name of the group your
# admin users are members of.
# Please note that you also need to set appropriate Unix permissions
# to the drivers directory for these users to have write rights in i
;   write list = root, @lpadmin

[share]
    path = /media/samba/testing
    browseable = yes
    read only = No
    valid users = @sambauser
```

## Tes konfigurasi samba

```
root@albi:/etc/samba# 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]
```

```
log file = /var/log/samba/log.%m
```

```
logging = file
```

```
map to guest = Bad User
```

```
max log size = 1000
```

```
obey pam restrictions = Yes
```

```
pam password change = Yes
```

```
panic action = /usr/share/samba/panic-action %d
```

```
passwd chat = *Enter\snew\s*\spassword:* %n\n *Retype\snew\s*\spassword:* %n\n
```

```
*password\supdated\ssuccessfully* .
```

```
passwd program = /usr/bin/passwd %u
```

```
server role = standalone server
```

```
unix password sync = Yes
```

```
usershare allow guests = Yes
```

```
idmap config * : backend = tdb
```

```
[homes]
```

```
browseable = No
```

```
comment = Home Directories
```

```
create mask = 0700
```

```
directory mask = 0700
```

```
valid users = %S
```

```
[printers]
```

```
browseable = No
```

```
comment = All Printers
```

```
# Global parameters
```

```
[global]
```

```
log file = /var/log/samba/log.%m
```

```
create mask = 0700
```

```
path = /var/tmp
```

```
printable = Yes
```

```
[print$]
```

```
comment = Printer Drivers
```

```
path = /var/lib/samba/printers
```

```
[share]
```

```
path = /media/samba/testing
```

```
read only = No
```

```
valid users = @sambauser
```

### 3. Membuat user dan grup untuk Samba Server

- Buat user baru

```
root@albi:/etc/samba# adduser albi
Adding user `albi' ...
Adding new group `albi' (1001) ...
Adding new user `albi' (1001) with group `albi (1001)' ...
Creating home directory `/home/albi' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: kata sandi diperbaharui dengan sukses
Mengubah informasi pengguna dari albi
Masukkan nilai baru atau tekan ENTER untuk nilai bawaan
    Nama Lengkap []: albi
    Nomor Ruangan []:
    Telepon Kantor []:
    Telepon Rumah []:
    Lain-lain []:
Is the information correct? [Y/n] y
Adding new user `albi' to supplemental / extra groups `users' ...
Adding user `albi' to group `users' ...
root@albi:/etc/samba#
```

- Set samba password untuk user albi

```
root@albi:/etc/samba# smbpasswd -a albi
New SMB password:
Retype new SMB password:
Added user albi.
root@albi:/etc/samba#
```

- Buat grub baru

```
root@albi:/etc/samba# addgroup sambauser
Adding group `sambauser' (GID 1002) ...
Done.
root@albi:/etc/samba#
```

- Tambahkan albi di grub

```
root@albi:/etc/samba# usermod -a -G sambauser albi
```

- Cek apakah albi sudah berada digrub

```
root@albi:/etc/samba# id albi
uid=1001(albi) gid=1001(albi) groups=1001(albi),100(users),1002(sambauser)
root@albi:/etc/samba#
```

#### 4. Membuat directory Samba Server

- Direktory samba yang kita akan share terletak di /media/samba/testing
- Kita buat dulu direktory tersebut

```
#mkdir /media/samba
```

```
#mkdir /media/samba/testing
```

```
#cd /media/samba
```

```
#ls -l
```

- Sekarang ubah ownership dari direktory tersebut. User ownership adalah albi, group ownership adalah sambauser

```
#chown albi:sambauser testing
```

```
root@albi:~# mkdir /media/samba
root@albi:~# mkdir /media/samba/testing
root@albi:~# cd /media/samba
root@albi:/media/samba# ls -l
total 4
drwxr-xr-x 2 root root 4096 Mei 27 23:53 testing
root@albi:/media/samba# chown albi:sambauser testing
root@albi:/media/samba# ls -l
total 4
drwxr-xr-x 2 albi sambauser 4096 Mei 27 23:53 testing
root@albi:/media/samba#
```

- Setelah ownership directory testing kita ganti, maka berikutnya kita ubah hak aksesnya

- Kita akan ganti agar user dan group boleh melakukan read, write dan execute pada direktory testing

```
#chmod 770 testing
```

- 770 berarti : user dan group = read, write dan execute  
other : tidak memiliki hak apapun

```
root@albi:/media/samba# chmod 770 testing
root@albi:/media/samba# ls -l
total 4
drwxrwx--- 2 albi sambauser 4096 Mei 27 23:53 testing
root@albi:/media/samba#
```



## 5. Restart samba

- Setiap kali file konfigurasi berubah, anda harus merestart samba server
- Cek statusnya apakah running

```
root@albi:/media/samba# systemctl restart smbd
```

```
root@albi:/media/samba# systemctl status smbd
```

- smbd.service - Samba SMB Daemon

```
Loaded: loaded (/lib/systemd/system/smbd.service; enabled; preset: enabled)
```

```
Active: active (running) since Mon 2024-05-27 23:59:00 WIB; 10s ago
```

```
Docs: man:smbd(8)
```

```
man:samba(7)
```

```
man:smb.conf(5)
```

```
Process: 5613 ExecCondition=/usr/share/samba/is-configured smb (code=exited, status=0/SUCCESS)
```

```
Process: 5615 ExecStartPre=/usr/share/samba/update-apparmor-samba-profile (code=exited, status=0/SUCCESS)
```

```
Main PID: 5624 (smbd)
```

```
Status: "smbd: ready to serve connections..."
```

```
Tasks: 3 (limit: 2252)
```

```
Memory: 5.7M
```

```
CPU: 1.066s
```

```
CGroup: /system.slice/smbd.service
```

```
└─5624 /usr/sbin/smbd --foreground --no-process-group
```

```
└─5626 /usr/sbin/smbd --foreground --no-process-group
```

```
└─5627 /usr/sbin/smbd --foreground --no-process-group
```

```
Mei 27 23:58:59 albi systemd[1]: Starting smbd.service - Samba SMB Daemon...
```

```
Mei 27 23:59:00 albi systemd[1]: Started smbd.service - Samba SMB Daemon.
```

```
lines 1-20/20 (END)
```

Activate Windows

## 6. Testing Samba Client secara lokal

- Untuk testing samba client secara lokal, anda harus menginstall 2 aplikasi, yaitu cifs-utils dan smbclient

- Di Samba server :

```
#apt install cifs-utils smbclient
```

- Kemudian kita test dengan

```
#smbclient '\\localhost\<dir>' -U <user>
```

- Masukkan password

- Anda berhasil masuk jika muncul prompt smb: \>

- Keluar dengan quit

```
root@albi:/media/samba# apt install cifs-utils smbclient
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  keyutils
Suggested packages:
  winbind heimdal-clients
The following NEW packages will be installed:
  cifs-utils keyutils smbclient
0 upgraded, 3 newly installed, 0 to remove and 79 not upgraded.
Need to get 591 kB of archives.
After this operation, 2.516 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://deb.debian.org/debian bookworm/main amd64 cifs-utils amd64 2:7.0-2 [
B]
Get:2 http://deb.debian.org/debian bookworm/main amd64 keyutils amd64 1.6.3-2 [54
Get:3 http://deb.debian.org/debian bookworm/main amd64 smbclient amd64 2:4.17.12+
+deb12u1 [442 kB]
Fetched 591 kB in 3s (176 kB/s)
Selecting previously unselected package cifs-utils.
(Sedang membaca basis data ... 149529 berkas atau direktori telah terpasang.)
Preparing to unpack .../cifs-utils_2%3a7.0-2_amd64.deb ...
Unpacking cifs-utils (2:7.0-2) ...
Selecting previously unselected package keyutils.
Preparing to unpack .../smbclient_2%3a4.17.12+dfsg-0+deb12u1_amd64.deb ...
Unpacking smbclient (2:4.17.12+dfsg-0+deb12u1) ...
Sedang menata cifs-utils (2:7.0-2) ...
update-alternatives: using /usr/lib/x86_64-linux-gnu/cifs-utils/idmapwb.so to provide
etc/cifs-utils/idmap-plugin (idmap-plugin) in auto mode
Sedang menata smbclient (2:4.17.12+dfsg-0+deb12u1) ...
Sedang menata keyutils (1.6.3-2) ...
Processing triggers for man-db (2.11.2-2) ...
root@albi:/media/samba#
```

```
root@albi:/media/samba# smbclient '\\localhost\share' -U albi
```

```
Password for [WORKGROUP\albi]:
```

```
Try "help" to get a list of possible commands.
```

```
smb: \> help
```

?	allinfo	altname	archive	backup
blocksize	cancel	case_sensitive	cd	chmod
chown	close	del	deltree	dir
du	echo	exit	get	getfacl
geteas	hardlink	help	history	iosize
lcd	link	lock	lowercase	ls
l	mask	md	mget	mkdir
more	mput	newer	notify	open
posix	posix_encrypt	posix_open	posix_mkdir	posix_rmdir
posix_unlink	posix_whoami	print	prompt	put
pwd	q	queue	quit	readlink
rd	recurse	reget	rename	reput
rm	rmdir	showacls	setea	setmode
scopy	stat	symlink	tar	tarmode
timeout	translate	unlock	volume	vuid
wdel	logon	listconnect	showconnect	tcon
tdis	tid	utimes	logoff	..

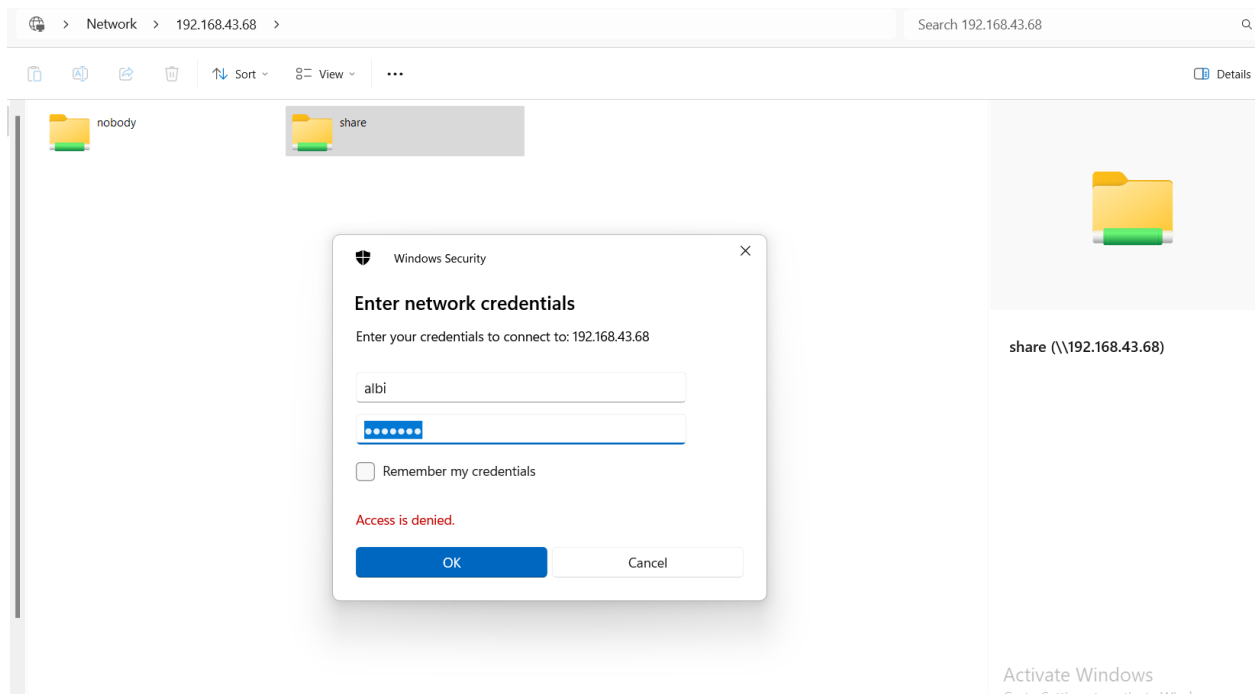
```
!
```

```
smb: \> █
```

Activate Windows

## 7. Testing dari Samba Client (Windows)

- Lihat ke Windows anda yang berfungsi sebagai host PC untuk VM Linux
- Buka Run
- Masukkan nomor IP Samba server dan direktory yang dishared oleh samba
- Klik Browse
- Masukkan user samba dan passwordnya
- Klik OK
- Explorer membuka window seperti dibawah
- Jika folder share diklik ternyata masih kosong




Kita akan menambahkan file dan direktory di share folder

Caranya ?


- Buka Windows Explorer
- Klik Network
- Klik Map Network Drive
- Masukkan nomor IP Server dan direktory samba
- Klik Reconnect..
- Klik Finish
- Maka, anda akan melihat
- Klik folder Z
- Disebelah kanan, buat directory dan file baru
- Samba server sudah berhasil sharing dengan windows client




←  Map Network Drive

### What network folder would you like to map?

Specify the drive letter for the connection and the folder that you want to connect to:

Drive:  

Folder:  

Example: \\server\share

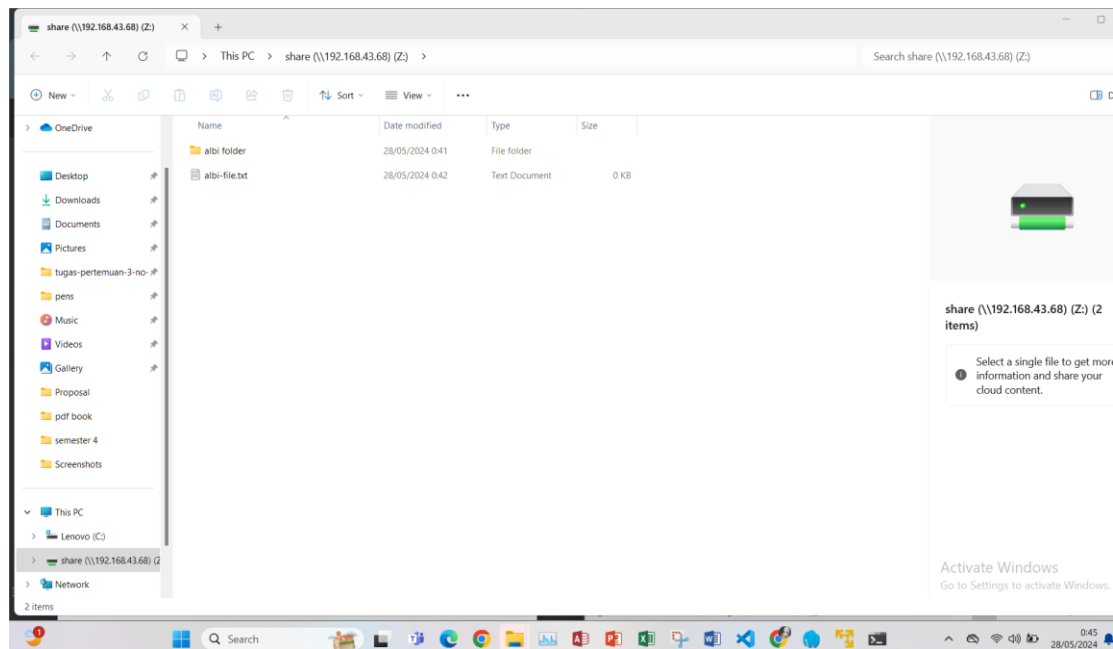
☒ Reconnect at sign-in

☐ Connect using different credentials

[Connect to a Web site that you can use to store your documents and pictures.](#)

Finish

Cancel



Samba server sudah berhasil sharing dengan windows client

## 2. Samba Server ⇔ Samba Client (Linux)

### 1. Setting Samba Server

- Sekarang kita akan bermain-main dengan Samba server
- Sekarang anda akan memiliki beberapa folder Samba dengan konfigurasi berbeda
  - Folder [temp], dapat diakses oleh semua orang, termasuk guest, namun semua file dan direktorynya tidak dapat dihapus atau ditambah
  - Folder [userdir], artinya hanya user tersebut yang boleh mengakses folder tersebut. User tersebut berhak menambah atau menghapus file di foldernya
  - Folder [sambauser], hanya dapat diakses oleh anggota grup. Semua anggota grup boleh mengakses, menambah dan menghapus file dan direktory
- Ada 2 user :
  - Julian , group : sambauser, memiliki userdir /media/samba/julian
  - Haaland, group : haaland, memiliki userdir /media/samba/haaland

## 2. Buat User, Setting Direktory di Server

- Buat user haaland dulu. User julian telah kita buat sebelumnya. Cek grupnya

```
#adduser haaland
```

```
#id haaland
```

```
#smbpasswd -a haaland
```

```
root@albi:~# adduser bee
Adding user `bee' ...
Adding new group `bee' (1004) ...
Adding new user `bee' (1004) with group `bee (1004)' ...
Creating home directory `/home/bee' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: kata sandi diperbaharui dengan sukses
Mengubah informasi pengguna dari bee
Masukkan nilai baru atau tekan ENTER untuk nilai bawaan
    Nama Lengkap []:
    Nomor Ruangan []:
    Telepon Kantor []:
    Telepon Rumah []:
    Lain-lain []:
Is the information correct? [Y/n] y
Adding new user `bee' to supplemental / extra groups `users' ...
Adding user `bee' to group `users' ...
root@albi:~# id bee
uid=1004(bee) gid=1004(bee) groups=1004(bee),100(users)
root@albi:~# smbpasswd -a bee
New SMB password:
Retype new SMB password:
Added user bee.
```

- Buat direktory untuk folder-folder tersebut

```
#mkdir /media/samba/temp
```

```
#mkdir /media/samba/sambauser
```

```
#mkdir /media/samba/haaland
```

```
#mkdir /media/samba/julian
```

```
root@albi:~# mkdir /media/samba/temp
root@albi:~# mkdir /media/samba/sambauser
root@albi:~# mkdir /media/samba/bee
root@albi:~# mkdir /media/samba/albi
root@albi:~# █
```



- Ubah ownership user dan grup

```
#chown root:sambauser /media/samba/temp
```

```
#chown root:sambauser /media/samba/sambauser
```

```
#chown julian:julian /media/samba/julian
```

```
#chown haaland:haaland /media/samba/haaland
```

```
root@albi:~# chown root:sambauser /media/samba/temp
root@albi:~# chown root:sambauser /media/samba/sambauser
root@albi:~# chown albi:albi /media/samba/albi
root@albi:~# chown bee:bee /media/samba/bee
root@albi:~# █
```

- Ubah hak aksesnya, agar bisa diakses oleh Linux Client

```
#chmod -R 777 /media/samba/
```

```
#ls -l /media/samba/
```

```
root@albi:~# chmod -R 777 /media/samba/
root@albi:~# ls -l /media/samba
total 20
drwxrwxrwx 2 albi albi      4096 Mei 28 14:32 albi
drwxrwxrwx 2 bee  bee      4096 Mei 28 14:32 bee
drwxrwxrwx 2 root sambauser 4096 Mei 28 14:32 sambauser
drwxrwxrwx 2 root sambauser 4096 Mei 28 14:31 temp
drwxrwxrwx 3 albi sambauser 4096 Mei 28 00:42 testing
root@albi:~# █
```

### 3. Konfigurasi Samba Server

- Buka file konfigurasi samba dan ketikkan baris berikut.

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

- Sebelum Share Definitions, tambahkan baris berikut : client min protocol =NT1

```
# Allow users who've been granted usershare privileges to create
# public shares, not just authenticated ones
    usershare allow guests = yes

client min protocol = NT1

#===== Share Definitions =====
[home]
```

- Beri tanda # untuk menonaktifkan konfigurasi sebelumnya [share] .

```
#[share]
#    path = /media/samba/testing
#    browseable = yes
#    read only = no
#    valid users = @sambauser
```

- Tambahkan baris berikut padabagian bawah

```
#    valid users = @sambauser

[temp]
    path = /media/samba/temp
    browseable = yes
    read only = yes
    guest ok = yes

[sambauser]
    path = /media/samba/sambauser
    browseable = yes
    read only = no
    valid users = @sambauser

[user]
    path = /media/samba/%U
    browseable = no
    read only = no
    valid users = %U
```

---

---

---

---

- Cek dengan testparm. Lihat ke baris paling bawah

```
[print$]
    comment = Printer Drivers
    path = /var/lib/samba/printers

[temp]
    guest ok = Yes
    path = /media/samba/temp

[sambauser]
    path = /media/samba/sambauser
    read only = No
    valid users = @sambauser

[user]
    browseable = No
    path = /media/samba/%U
    read only = No
    valid users = %U
root@albi:~#
```

#### 4. Restart Samba dan Testing localhost di Server

- Sekarang restart samba dan cek statusnya

#systemctl restart smb

#systemctl status smb

```
root@albi:~# systemctl restart smb
root@albi:~# systemctl status smb
● smb.service - Samba SMB Daemon
   Loaded: loaded (/lib/systemd/system/smbd.service; enabled; preset: enabled)
   Active: active (running) since Tue 2024-05-28 14:52:16 WIB; 13s ago
     Docs: man:smbd(8)
           man:samba(7)
           man:smb.conf(5)
  Process: 3230 ExecCondition=/usr/share/samba/is-configured smb (code=exited, status=0/SUCCESS)
  Process: 3232 ExecStartPre=/usr/share/samba/update-apparmor-samba-profile (code=exited, status=0/SUCCESS)
 Main PID: 3242 (smbd)
   Status: "smbd: ready to serve connections..."
    Tasks: 3 (limit: 2252)
  Memory: 5.5M
     CPU: 290ms
  CGroup: /system.slice/smbd.service
          └─3242 /usr/sbin/smbd --foreground --no-process-group
            └─3244 /usr/sbin/smbd --foreground --no-process-group
              └─3245 /usr/sbin/smbd --foreground --no-process-group

Mei 28 14:52:16 albi systemd[1]: Starting smbd.service - Samba SMB Daemon...
Mei 28 14:52:16 albi systemd[1]: Started smbd.service - Samba SMB Daemon.
lines 1-20/20 (END)
```

- Coba kita test dengan smbclient untuk 3 folder [tmp], [sambauser], [haaland] dan [julian]

- Untuk folder, milik user, julian dan haaland berhasil masuk ke foldernya

masing-masing

```
root@albi:~# cd /media/samba
root@albi:/media/samba# smbclient '\\localhost\\albi' -U albi
Password for [WORKGROUP\\albi]:
Try "help" to get a list of possible commands.
smb: \> exit
root@albi:/media/samba#
```

W

- Untuk anonymous atau guest, kita tidak akan memasukkan password

```
root@albi:/media/samba# cd
root@albi:~# smbclient '\\localhost\\bee' -U bee
Password for [WORKGROUP\\bee]:
Try "help" to get a list of possible commands.
smb: \> exit
root@albi:~# 
root@albi:~# smbclient '\\localhost\\bee' -U
Password for [WORKGROUP\\root]:
tree connect failed: NT_STATUS_ACCESS_DENIED
root@albi:~#
```

User guest gagal masuk ke folder haaland

- Bagaimana dengan folder [tmp] dan [sambauser] ?

```
root@albi:~# smbclient '\\localhost\tmp' -U albi
Password for [WORKGROUP\albi]:
tree connect failed: NT_STATUS_BAD_NETWORK_NAME
root@albi:~# smbclient '\\localhost\tmp' -U bee
Password for [WORKGROUP\bee]:
tree connect failed: NT_STATUS_BAD_NETWORK_NAME
root@albi:~# smbclient '\\localhost\tmp' -U
Password for [WORKGROUP\root]:
tree connect failed: NT_STATUS_BAD_NETWORK_NAME
root@albi:~# █
```

- Folder tmp tidak dapat diakses oleh julian, haaland dan guest
- Folder sambauser hanya dapat diakses oleh anggota grup sambauser, yaitu julian
- User haaland dan guest tidak dapat mengakses folder tersebut

```
root@albi:~# smbclient '\\localhost\sambauser' -U albi
Password for [WORKGROUP\albi]:
Try "help" to get a list of possible commands.
smb: \> exit
root@albi:~# smbclient '\\localhost\sambauser' -U bee
Password for [WORKGROUP\bee]:
tree connect failed: NT_STATUS_ACCESS_DENIED
root@albi:~# smbclient '\\localhost\sambauser' -U
Password for [WORKGROUP\root]:
tree connect failed: NT_STATUS_ACCESS_DENIED
root@albi:~#
```

- Untuk folder tmp, buatlah 2 file : tmp1 dan tmp2, 1 directory : tempdir

```
root@albi:~# cd /media/samba/temp
root@albi:/media/samba/temp# mkdir tempdir
root@albi:/media/samba/temp# touch tmp1 tmp2
root@albi:/media/samba/temp# █
```

## 5. Testing smbclient dari Samba Client

- Sekarang, kita akan coba akses samba server dari Linux samba client
- Jalankan VM untuk Linux Client
- Install software samba client

#apt install cifs-utils smbclient

```
root@albi:~# apt install cifs-utils smbclient
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
cifs-utils is already the newest version (2:7.0-2).
smbclient is already the newest version (2:4.17.12+dfsg-0+deb12u1).
0 upgraded, 0 newly installed, 0 to remove and 79 not upgraded.
root@albi:~#
```

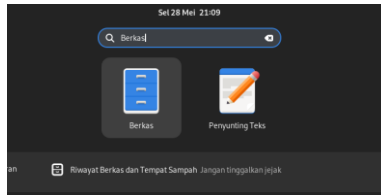
- Jalankan utilitas smbclient untuk folder [sambauser]. User julian dapat mengakses folder tersebut, tapi user halaland tidak

```
root@albi:~# smbclient //192.168.1.70/sambauser -U bee
Password for [WORKGROUP\bee]:
tree connect failed: NT_STATUS_ACCESS_DENIED
root@albi:~# smbclient //192.168.1.70/sambauser -U albi
Password for [WORKGROUP\albi]:
Try "help" to get a list of possible commands.
smb: \>
```

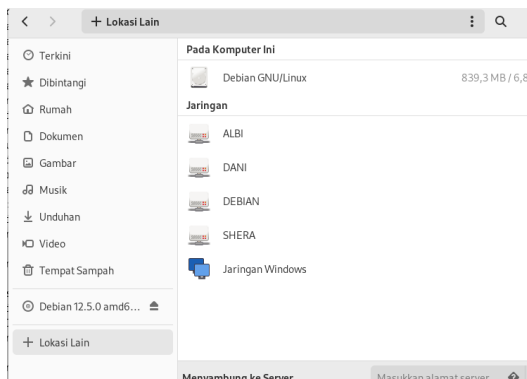


## 6. Memakai Files di Samba Client untuk Akses Server

- Agar bisa menggunakan mode grafis, gunakan cara berikut
- Buka Activities, pada search, ketik Files



- Klik Other Locations



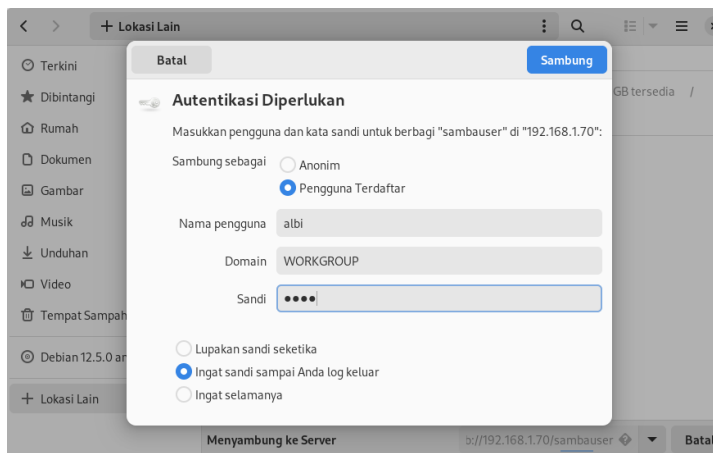
- Pada Connect to Sever, ketikkan

smb://<no-ip-samba-server>/<foldersamba>

- Folder samba yang kita test adalah [sambauser] smb://192.168.48.81/sambauser

Klik Connect

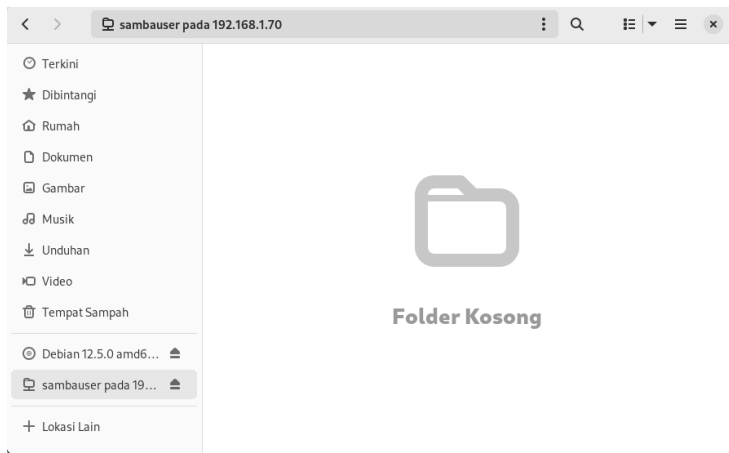
Masukkan username dan password user



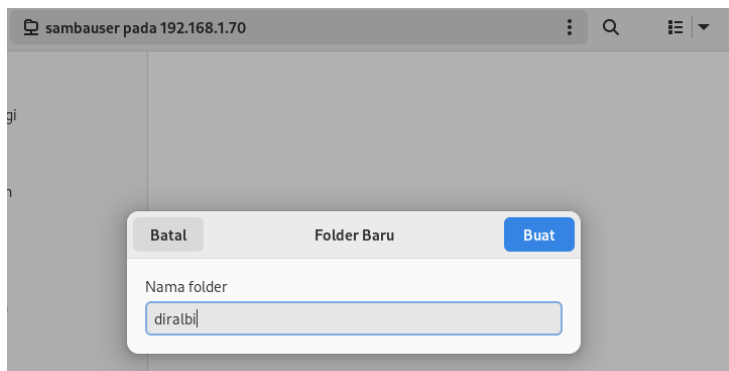
- Klik Remember password ...

- Klik Connect

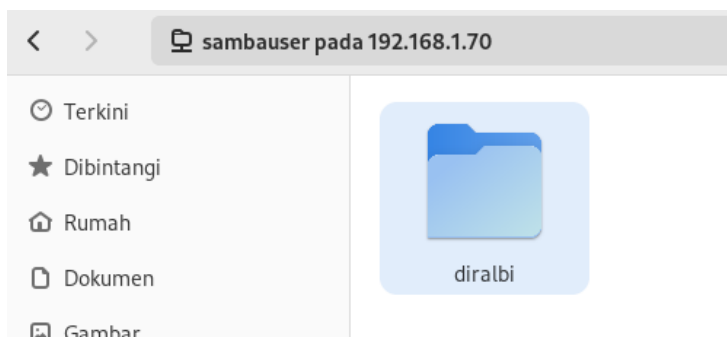
- Jika berhasil, anda akan masuk ke window berikut



- Buat direktory dan file di [sambauser]
- Klik New Folder
- Masukkan nama direktory dan klik Create



- Berhasil





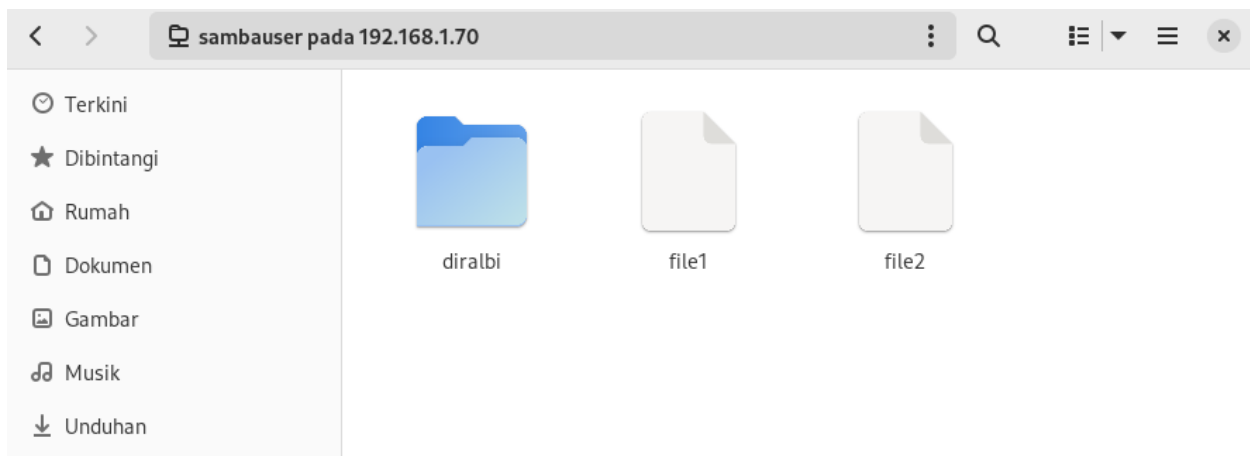
- Sekarang buat file di [sambauser],
- Klik Open in Terminal
- Ketikkan :

#touch file1 file2



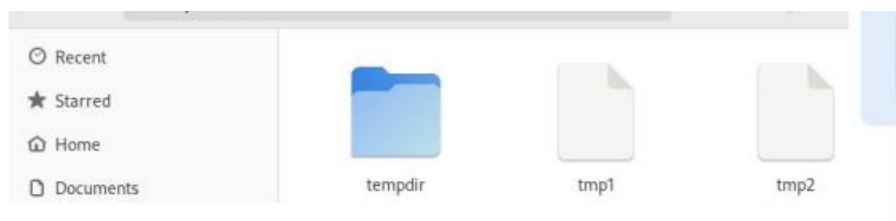
```
albinur@albi: /run/user/1000/gvfs/smb-share:server=192.168.1.70,share=s...
albinur@albi: /run/user/1000/gvfs/smb-share:server=192.168.1.70,share=sambauser$
touch file1 file2
```

- Disconnect folder sambauser
- Klik Other Locations
- Masukkan ip dan folder samba server
- Klik Connect
- Berhasil, ada 2 file

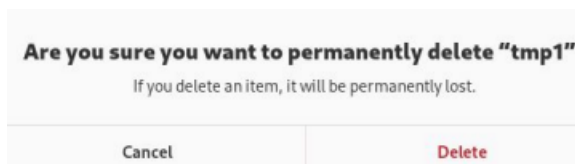


- Lakukan hal yang sama untuk user haaland pada folder [tmp]
- Sebelumnya Disconnect dulu folder [sambauser] dan logout
- Buka Files dan lakukan smb://192.168.48.81/
- Klik tmp.
- Gunakan Anonymous untuk login sebagai guest
- Klik Connect

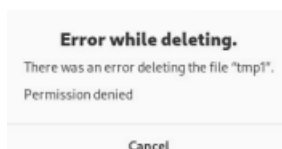
- Berhasil



- Coba hapus tmp1
- Klik Delete Permanently...



- Klik Delete



- Gagal

- Klik folder tempdir, buatlah file di dalam directory tersebut

```
albinur@albi: /run/user/1000/gvfs/smb-share:server=192.168.1.70,share=
touch anon1
```

- Gagal juga

- Sebagai user haaland, coba test folder [sambauser] dan [haaland]
- Coba masuk ke folder [sambauser], jika berhasil buat file disana. Bagaimana?

Berhasilkah ?

gagal

- Coba masuk ke folder [haaland], jika berhasil buat file disana. Bagaimana?

Berhasilkah ?

gagal