WORKSHOP ADMINISTRASI JARINGAN

PERTEMUAN 6 MINGGU 6

SambaServer

VRAYOGA LOREANSA

3122522005

TEKNIK INFORMATIKA

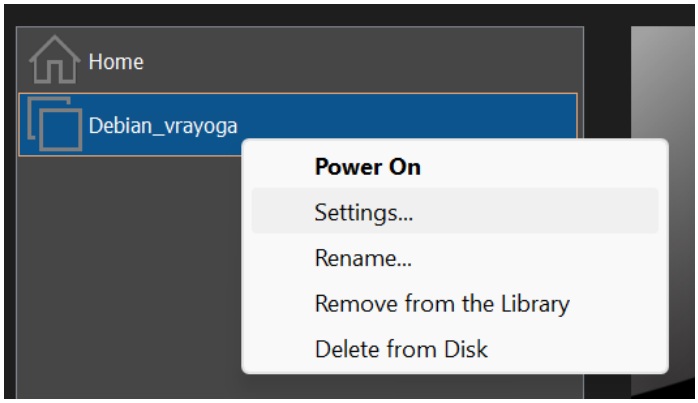
POLITEKNIK ELEKTRONIKA NEGERI SURABAYA

PENS PSDKU SUMENEP

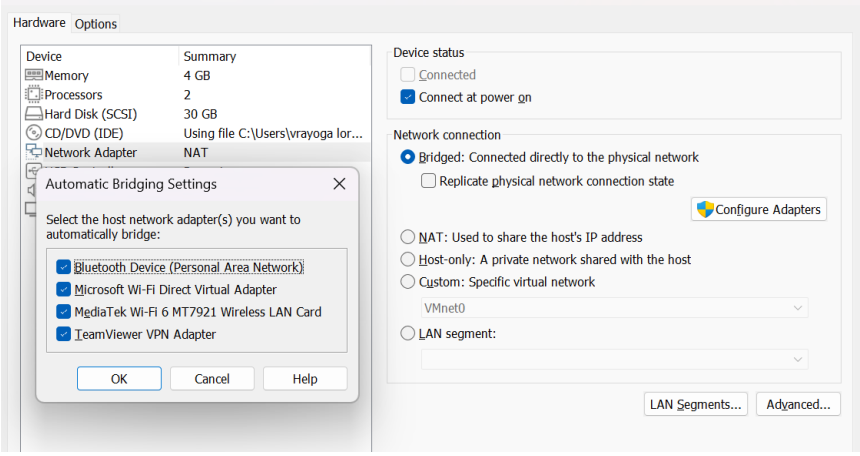
D3 TEKNIK INFORMATIKA

SambaServer

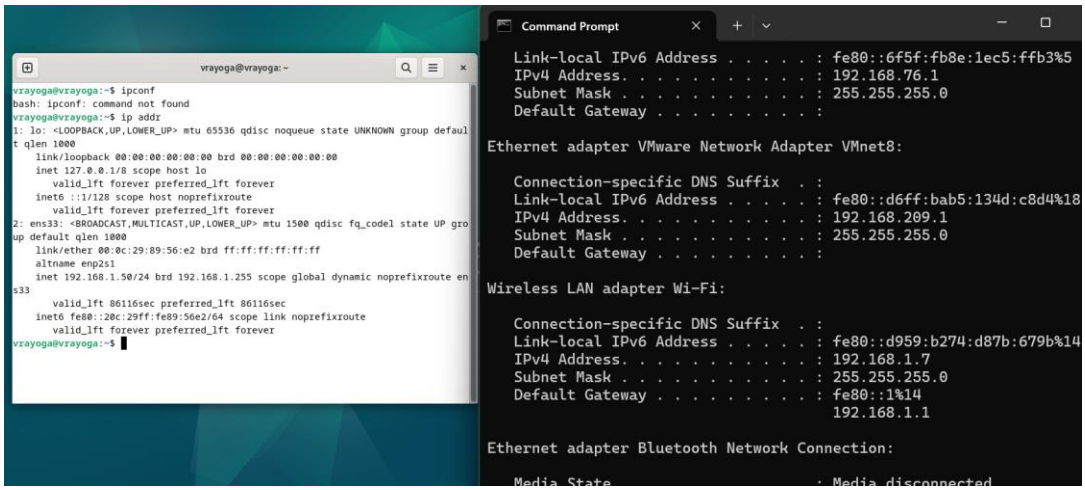
1. Pertama tama kita ubah terlebih dahulu untuk bagian jaringan yang berada di vmware,jadi kita buka vmware terlebih dahulu,lalu klik kanan dan pergi ke setting



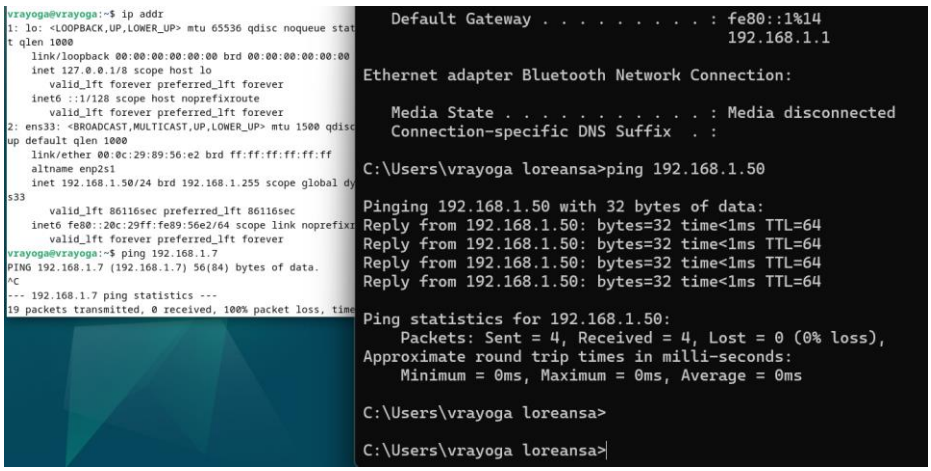
Setelah masuk kedalam setting cari network adapter dan sesuaikan dengan gambar dibawah dan save lalu restart debian/linux kalian



2. Setelah masuk kita cek di terminal linux dan terminal windows jika alamat ip sudah benar maka langkah kalian sudah benar



3. Setelah itu kita cobak ping dari terminal(windows) ke terminal (linux) dan hasilnya akan seperti ini



4. Lalu setelah saling connect kita apt update terlebih dahulu,dan install samba

```
root@vrayoga:~# apt update
Hit:1 http://deb.debian.org/debian bookworm InRelease
Hit:2 http://security.debian.org/debian-security bookworm-security InRelease
Hit:3 http://deb.debian.org/debian bookworm-updates InRelease
Reading package lists... Done
```

```
root@vrayoga:~# apt install samba
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
```

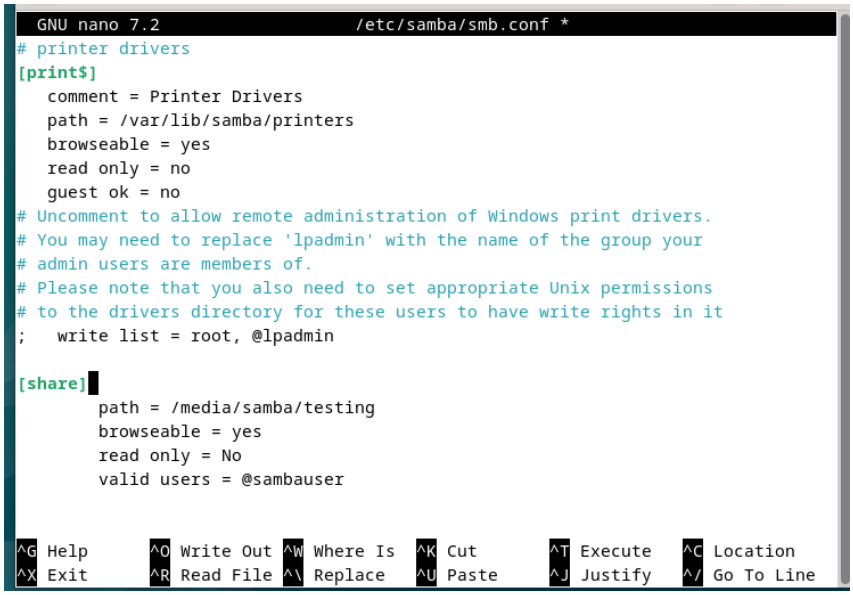
Jika sudah mengistal samba kita cek versi samba

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

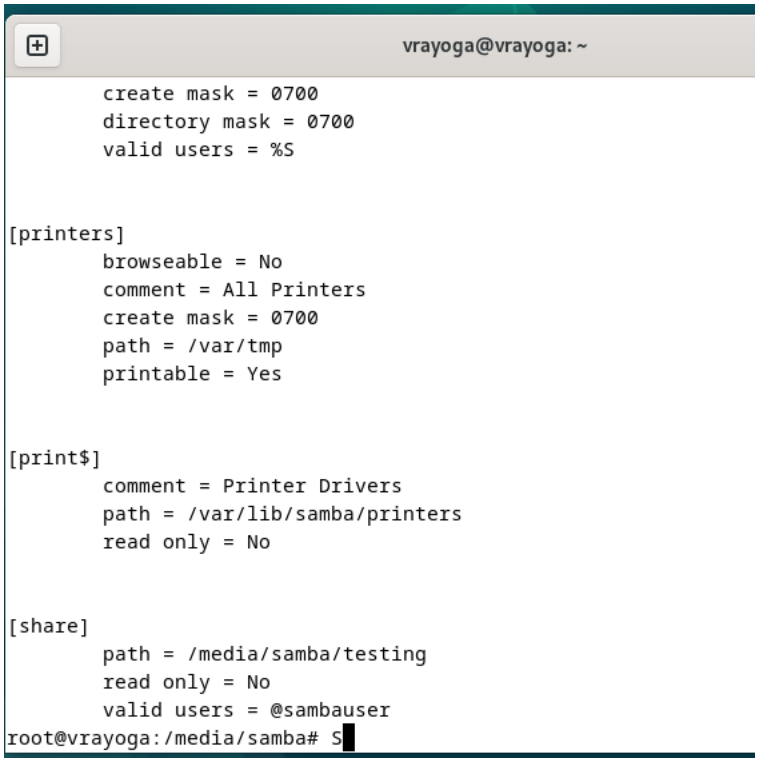
5. Setelah itu kita copy terlebih dahulu dan konfigurasi samba server,dan masuk ke nano untuk setting

```
root@vrayoga:~# cp /etc/samba/smb.conf /etc/samba/smb.conf.orig
root@vrayoga:~# nano /etc/samba/smb.conf
```

Lalu saat masuk kedalam smb.conf kita dibagian bawah read only awalan yes ganti ke no dan save



6. Test konfigurasi samba



7. Setelah itu kita menambah user terlebih dahulu

```
root@vrayoga:/etc/samba# adduser yoga
Adding user `yoga' ...
Adding new group `yoga' (1001) ...
Adding new user `yoga' (1001) with group `yoga (1001)' ...
Creating home directory `/home/yoga' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for yoga
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
Adding new user `yoga' to supplemental / extra groups `users' ...
Adding user `yoga' to group `users' ...
root@vrayoga:/etc/samba#
```

8. Lalu buat password samba

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

9. Setelah itu kita bikin group dan sudah membuat grup kita tambah user yoga tadi masukkan kedalam sambauser

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

10. Lalu kita buat direktori untuk melakukan share data,setelah mkdir kita masuk kedalam data yang sudah kita buat

```
root@vrayoga:/etc/samba# mkdir /media/samba
root@vrayoga:/etc/samba# mkdir /media/samba/testing
root@vrayoga:/etc/samba# cd /media/samba
root@vrayoga:/media/samba# chown yoga1:sambauser testing
root@vrayoga:/media/samba# ls -l
total 4
drwxrwx--- 2 yoga1 sambauser 4096 May 22 21:15 testing
root@vrayoga:/media/samba#
```

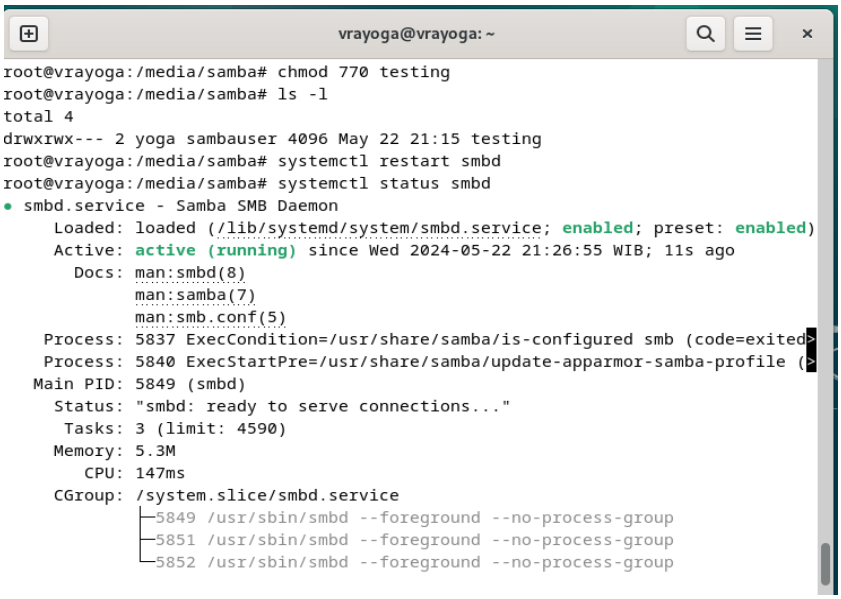
Lalu ubah ownership. User ownership adalah yoga, group ownership adalah sambauser

```
root@vrayoga:/etc/samba# usermod -a -G sambauser yoga1
root@vrayoga:/etc/samba# id yoga1
uid=1003(yoga1) gid=1003(yoga1) groups=1003(yoga1),100(users),1002(sambauser)
root@vrayoga:/etc/samba#
```

11. Kita akan ganti agar user dan group boleh melakukan read, write dan execute pada direktory testing. 770 berarti : user dan group = read, write dan execute

```
root@vrayoga:/media/samba# chmod 770 testing
root@vrayoga:/media/samba# ls -l
total 4
drwxrwx--- 2 yoga1 sambauser 4096 May 22 21:15 testing
```

12. Restart samba setelah itu



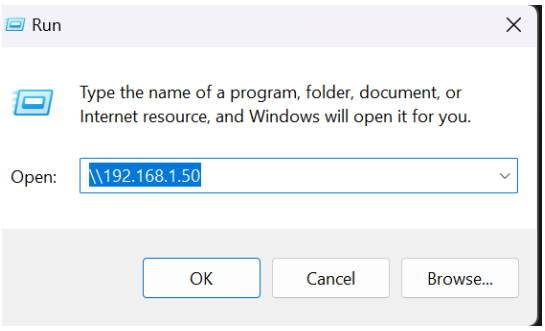
13. Lalu install smbclient

```
root@vrayoga:/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:
  kevutils
```

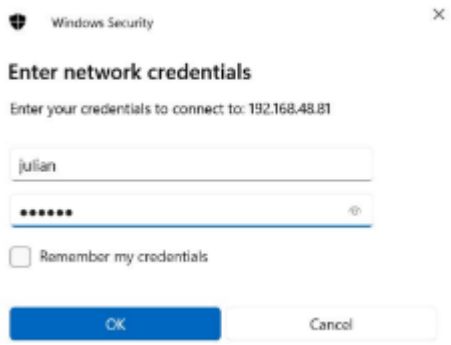
14. Setelah itu kita testing samba client

```
root@vrayoga:/media/samba# smbclient '\\localhost\share' -U yoga1
Password for [WORKGROUP\yoga1]:
Try "help" to get a list of possible commands.
smb: \>
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
```

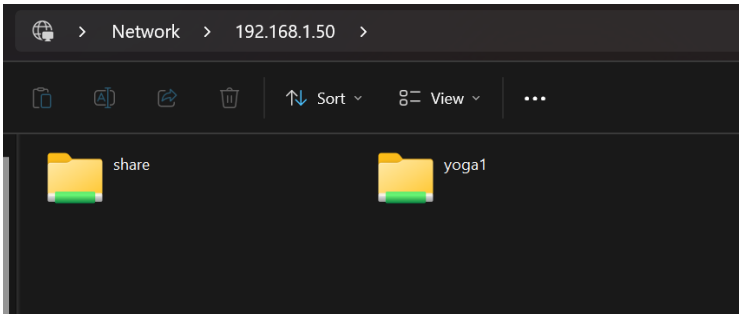
15. Lalu saat sudah menyetting semua nya kita pergi ke search di windows cari run dan masukkan ip yang ada di linux untuk mengetahui ipnya kita liat di cmd linux mengetik ip addr



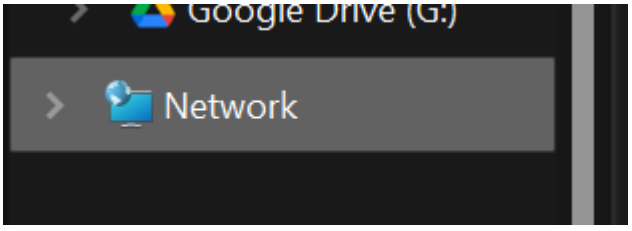
Dan apabila tampilan seperti ini masukkan user di debian dan password yang kalian buat tadi,tadi saya buat user yoga1



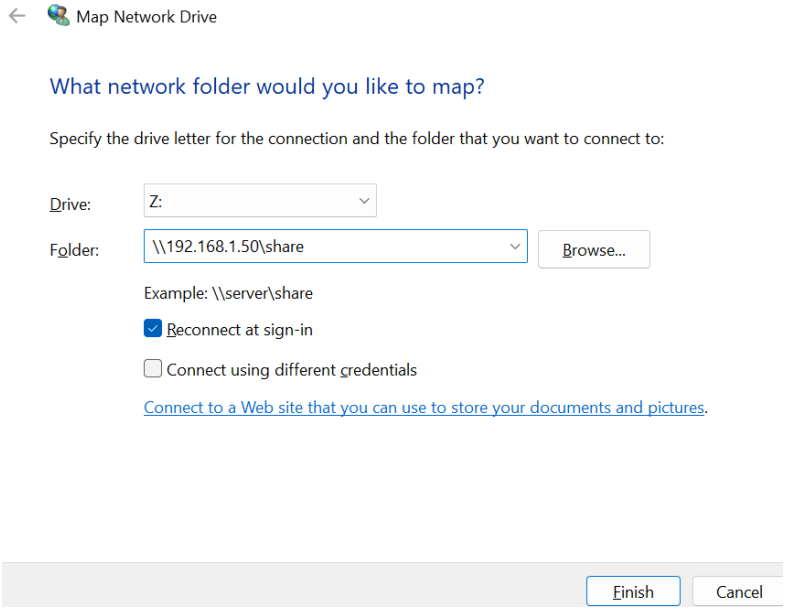
Dan masuk seperti ini



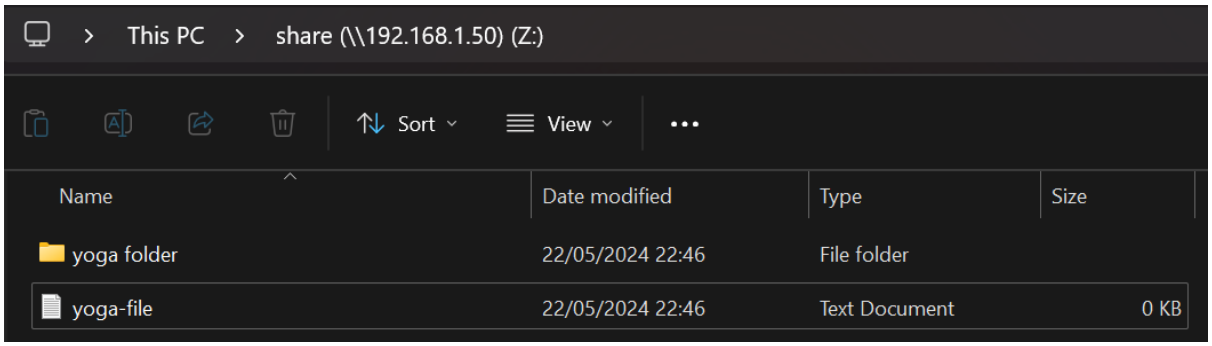
16. Klik kanan di network,lalu pilih map network drive



17. Lalu isi sesuai dengan ip kalian di linux berikan tampilan seperti ini lalu finish



Lalu isi file dan folder seperti ini



Samba Server ⇔ Samba Client (Linux)

1. Untuk praktikum selanjutnya kita langsung saja membuat user baru lagi seperti sebelumnya

```
root@vrayoga:~# adduser loreansa
Adding user `loreansa' ...
Adding new group `loreansa' (1004) ...
Adding new user `loreansa' (1004) with group `loreansa (1004)' ...
Creating home directory `/home/loreansa' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for loreansa
Enter the new value, or press ENTER for the default
        Full Name []: loreansa
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] ty
Is the information correct? [Y/n] y
Adding new user `loreansa' to supplemental / extra groups `users' ...
Adding user `loreansa' to group `users' ...
root@vrayoga:~# id loreansa
uid=1004(loreansa) gid=1004(loreansa) groups=1004(loreansa),100(users)
root@vrayoga:~# smbpasswd -a loreansa
New SMB password:
Retype new SMB password:
Added user loreansa.
```

2. Langkah selanjutnya kalian membuat direktori(untuk user yoga adalah hasil dari percobaan pertama,di percobaan pertama kita sudah disuruh membuat user)

```
root@vrayoga:~# mkdir /media/samba/temp
root@vrayoga:~# mdkir /media/samba/sambauser
-bash: mdkir: command not found
root@vrayoga:~# mkdir /media/samba/sambauser
root@vrayoga:~# mkdkir /media/samba/loreansa
-bash: mkdkir: command not found
root@vrayoga:~# mkdir /media/samba/loreansa
root@vrayoga:~# mkdir /media/samba/yoga
root@vrayoga:~#
```

3. Lalu next mengubah ownership user dan grup

```
root@vrayoga:~# mkdir /media/samba/loreansa
root@vrayoga:~# mkdir /media/samba/yoga
root@vrayoga:~# chown root:sambauser /media/samba/temp
root@vrayoga:~# chown root:sambauser /media/samba/sambauser
root@vrayoga:~# chown yoga:yoga /media/samba/yoga
root@vrayoga:~# chown loreansa:loreansa /media/samba/yoga
root@vrayoga:~#
```

Mengubah hak akses agar bisa diakses client linux

```
root@vrayoga:~# chmod -R 777 /media/samba/
root@vrayoga:~# ls -l /media/samba/
total 20
drwxrwxrwx 2 root     root      4096 May 24 17:27 loreansa
drwxrwxrwx 2 root     sambauser 4096 May 24 17:26 sambauser
drwxrwxrwx 2 root     sambauser 4096 May 24 17:26 temp
drwxrwxrwx 3 yoga1    sambauser 4096 May 22 22:50 testing
drwxrwxrwx 2 loreansa loreansa  4096 May 24 17:27 yoga
root@vrayoga:~#
```

4. Lalu kita akan mengonfigurasi samba server

```
root@vrayoga:~# nano /etc/samba/smb.conf
```

Di dalam file tersebut tambah seperti ini

```
# 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 =======================
```

Dan dibagian bawah di share matikan dengan beri tanda #

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


^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^/ Go To Line
```

Setelah dimatikan tambahkan kode ini dibawah

```
  GNU nano 7.2                    /etc/samba/smb.conf
#       valid users = @sambauser

[tmp]
        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
```

Setelah itu ketikan testparm untuk melihat hasil konfigurasinya

```
        read only = No


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


[sambauser]
        path = /media/samba/sambauser
        valid users = @sambauser


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

5. Lalu kita restart samba server

```
root@vrayoga:~# systemctl restart smb
root@vrayoga:~# systemctl status smb
● smbd.service - Samba SMB Daemon
     Loaded: loaded (/lib/systemd/system/smbd.service; enabled; preset: enabled)
     Active: active (running) since Fri 2024-05-24 17:45:25 WIB; 8s ago
       Docs: man:smbd(8)
             man:samba(7)
             man:smb.conf(5)
```

Coba kita test dengan smbclient untuk 3 folder [tmp], [sambauser], [yoga] dan loreansa,Untuk folder, milik user, yoga dan loreansa berhasil masuk ke foldernya masing-masing

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

```
root@vrayoga:/media/samba# smbclient '\\localhost\loreansa' -U loreansa
Password for [WORKGROUP\loreansa]:
session setup failed: NT_STATUS_LOGON_FAILURE
root@vrayoga:/media/samba# smbclient '\\localhost\loreansa' -U loreansa
Password for [WORKGROUP\loreansa]:
Try "help" to get a list of possible commands.
smb: \> exit
root@vrayoga:/media/samba#
```

Folder tmp dapat diakses olah yoga,Loreansa dan guest

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

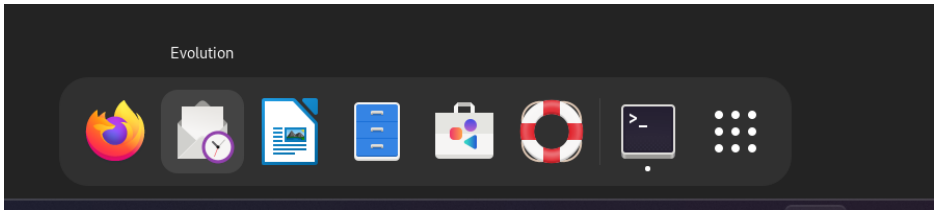
Folder sambauser hanya dapat diakses oleh anggota grup sambauser, yaitu yoga(yoga sudah dimasukkan ke dalam grup dalam percobaan 1 tadi).sedangkan User loreansa dan guest tidak dapat mengakses folder tersebut

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

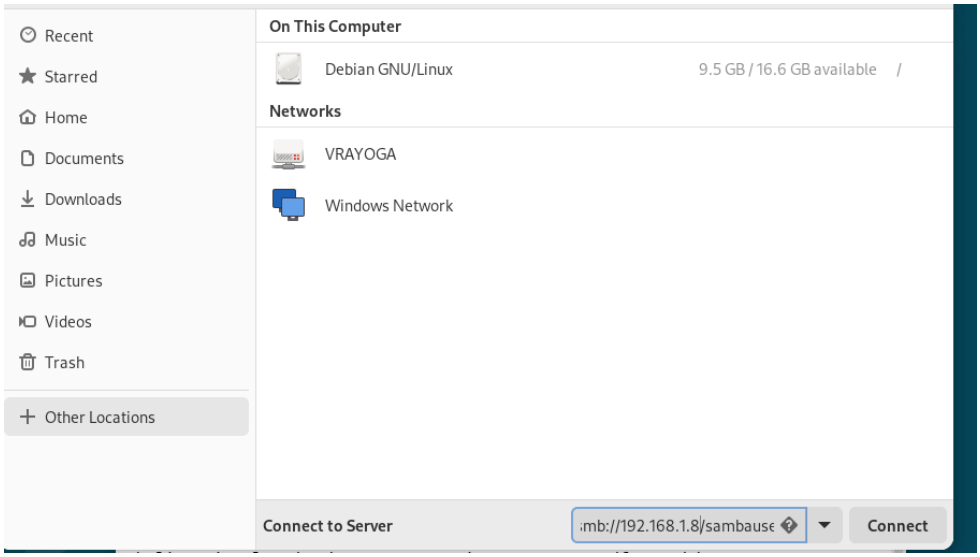
Masuk ke dalam temp terlebih dahulu dan buat directory seperti ini

```
root@vrayoga:/media/samba# cd temp
root@vrayoga:/media/samba/temp# mkdir tempdir
root@vrayoga:/media/samba/temp# touch tmp1 tmp2
root@vrayoga:/media/samba/temp#
```

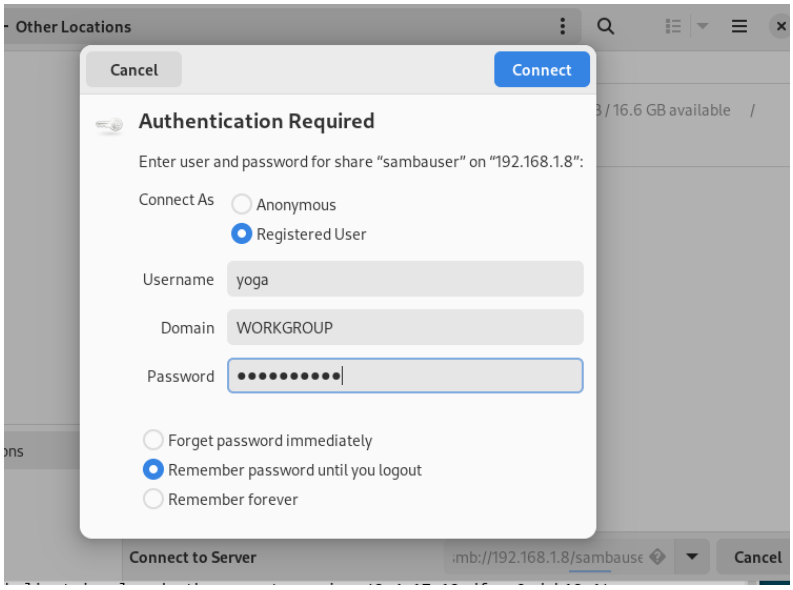
6. Lalu kita akan mencoba samba client untuk akses server,pertama tama kita pergi ke file yang berada di linux



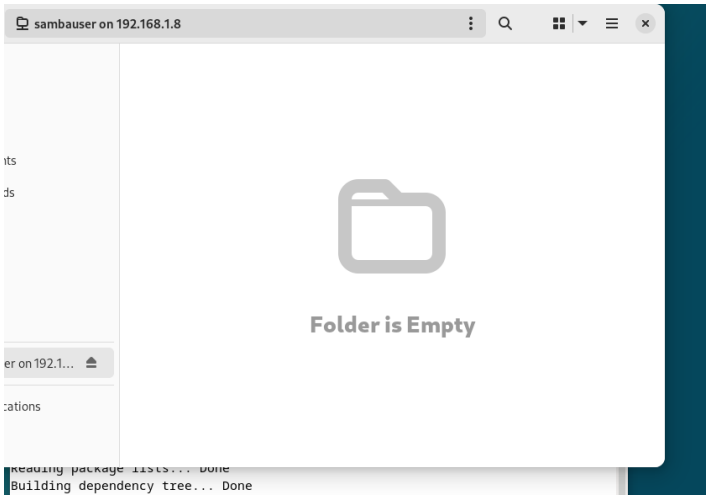
Lalu masukkan alamat ip di linux sama seperti percobaan1 kalian,jika alamat ip kalian berubah silahkan cek kembali di ip addr pada linux



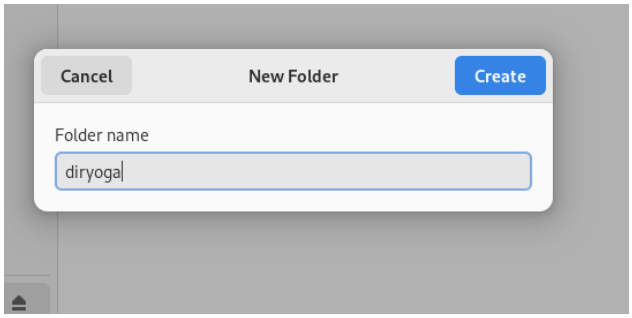
Lalu masukkan user dan password yang sudah kita buat tadi (saya memakai user pertama yang berada di percobaan atas)

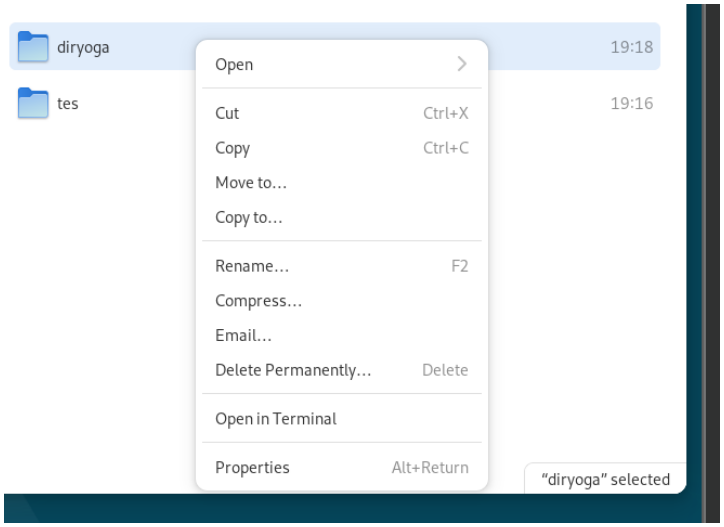


Jika berhasil tampilan akan seperti ini

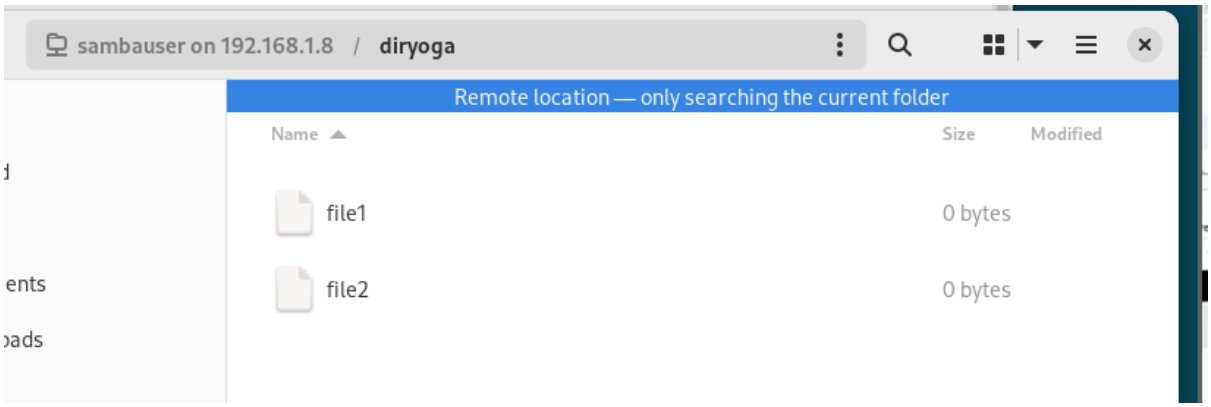


Lalu kita buat folder baru

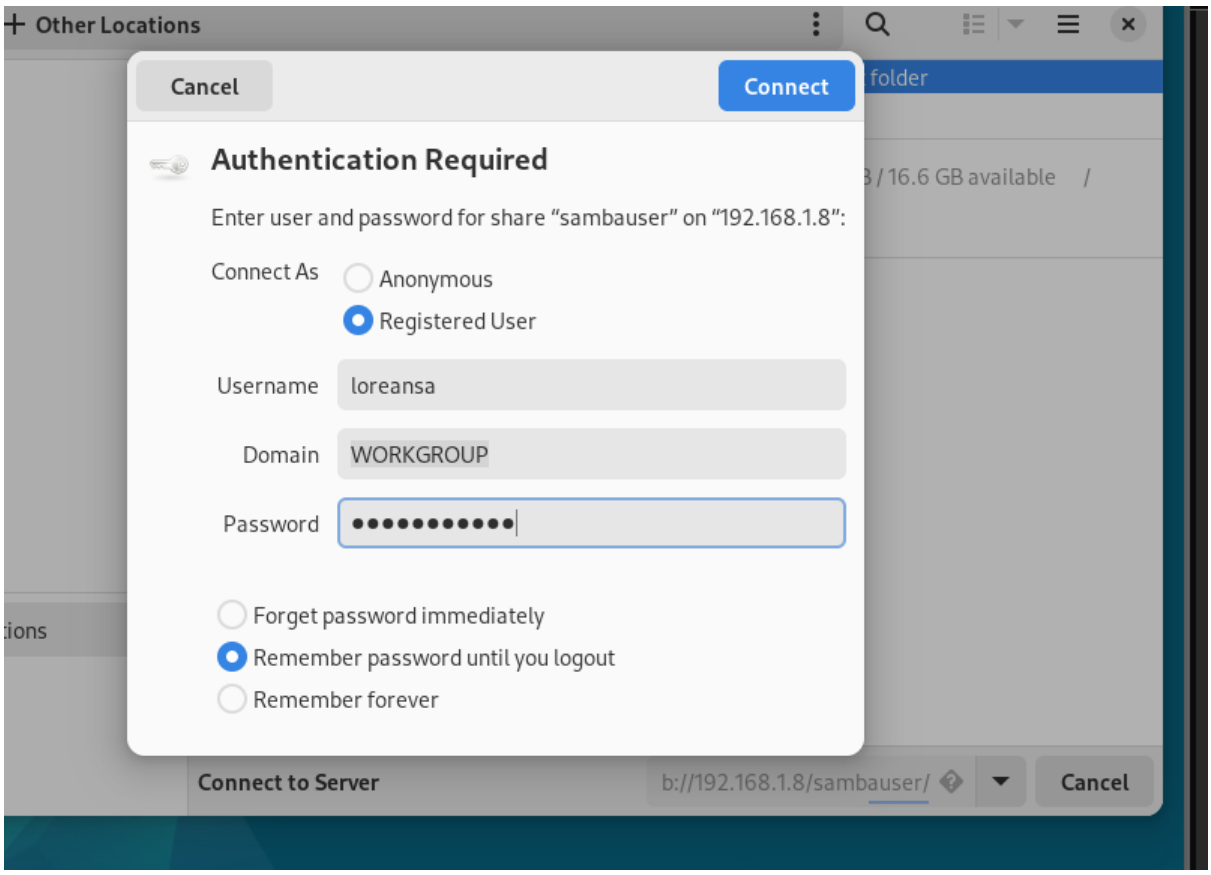



diryoga
19:18
tes
19:16
Open
Cut Ctrl+X
Copy Ctrl+C
Move to…
Copy to…
Rename… F2
Compress…
Email…
Delete Permanently… Delete
Open in Terminal
Properties Alt+Return
“diryoga” selected


vrayoga@vrayoga: /run/user/1000/gvfs/smb-share:server=192.168.1.8,shar…
vrayoga@vrayoga:/run/user/1000/gvfs/smb-share:server=192.168.1.8,share=sambauser
/diryoga$ touch file1 file2


sambauser on 192.168.1.8 / diryoga
Remote location — only searching the current folder
Name
Size
Modified
file1
0 bytes
file2
0 bytes

Lalu saya akan login pada user loreansa itu tidak bisa akses dikarenakan yoga tidak saya masukkan kedalam folder sambauser



Hasilnya akan mental kembali seperti ini