

Final Project Steps

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Project Descriptions

In This Project, I'm creating A samba file Server, samba is to create seamless file and printer sharing to SMB/CIFS clients from a Linux server/desktop, With Samba you can even connect that Linux machine to a Windows Domain. But before you can tackle the more challenging aspects of Samba.

Requirments

- Install and enable samba
- sharing a directory inside /home
- sharing a directory for many users
- Managing samba users
- change a samab user password
- Remove a samba user
- Troubleshooting and logs
- Trouble with accessing the share

A Virtual Machine

- * 2048 MB as memory
- * 2 processors
- * 128 as video memory

First I made a copy from my Virtual Machine to start my Project

Then i Start to Install the Samba on my Virtual Machine

- I use the command " sudo apt-get install samba -y "

After the installing was done i start to Configure my share

- i use the Command " sudo nano /etc/samba/smb.conf "

When the Configuration Page was Show up i started to configure the WORKGROUP and i changed to WORKGROUPNAME.

Then i started to make a new Directory

- i use the Command " sudo mkdir /data "

Then i Create the group:

- i use the Command " sudo newgrp editors "

Then i Add myself to the group:

- i use the Command " sudo usermod -aG editors \$USER "

Then i Change the ownership of the directory with the command:

- i use " sudo chgrp -R editors: /data "

Then i Give the group read and write permission to the new directory with the command:

- i use the Command " sudo chmod -R g+rw /data "

Finally now i'm ready to create the share.

Back at the /etc/smb.conf file, scroll to the bottom and add the following:

[DATA] path = /data valid users = @editors browsable = yes writable = yes read only = no

The configuration is simple:

```
[DATA] the visible name of the share
```

```
valid users = a group that can access the share. Even if a user has been  
added to Samba (with the smbpasswd command) they will not be able to access  
this share unless they are a member of the listed group
```

```
path - the exact path of the share
```

```
browsable - makes the share visible to the network
```

```
writable - makes the share writable to authenticated users
```

```
read only - sets the read-only option to no
```

Then i Save and i close the file.

i Restart Samba

- i use the Command " sudo systemctl restart smbd "

How to add a user to Samba

Now that everything's set up, you must also add users to Samba, otherwise they won't be able to authenticate. Even though a user has a legit account on the server, until they're added to Samba, it's a no-go.

After all that the first thing we have to do is add the user to Samba with the command:

- i use the Command " sudo smbpasswd -a USER "

Where USER is the user to be added.

Next, enable the user with the command:

- " sudo smbpasswd -e USER "

Where USER is the user to be enabled.

Now i have Samba file server to the new share.

Work Cited

xiao Guoan, How to install and configure a samba server <https://www.linuxbabe.com/ubuntu/install-samba-server-file-share> .