Final Project Steps

Samba File Server

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:

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[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
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   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
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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.