A little knowledge for configuring Samba-shares by hand

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Difficile

Installation

On Ubuntu 20:

```
# apt-get install samba
```

Settings

/etc/samba/smb.conf

Good information: http://linux-training.be/networking/ch21.html

General settings

Let more or less as it is for a simple file sharing.

Sahres

Management of users and groups

General

- Samba needs "own" users
- But the user must exist in linux before creating the corresponding samba-user.
- By removing is the same way but in the other direction: first remove the samba-user and then the unix-user
- The passwords for unix and samba can be different but setting the same make the life easier (!)
- Even if setting into `etc/samba/smb.conf`, the sync of the users between unix and samba seems not to work ⇒ disable the sync into `/etc/samba/smb.conf` and sync by hand with the CLI

Some important commands

Small tricks
https://wiki.guedel.eu/doku.php?id=welcome:linux_usually:small_tricks#users_and_groups

- restart samba server

  ```
  # systemctl restart smbd
  ```

- test config of /etc/samba/smb.conf

  ```
  # testparm
  ```

- list the unix groups

  ```
  # cat /etc/groups
  ```

- remove a user from a group

  ```
  # gpasswd -d username groupname
  ```

- add a user into a group

  ```
  # usermod -a -G groupname username
  ```

- list groups from a user

  ```
  # groups username
  ```

- list users

  ```
  # cat /etc/passwd
  ```

- remove the unix-user

  ```
  # deluser username
  ```

- remove the samba-user

  ```
  # smbpasswd -x username
  ```

- create or change password of a samba-user

  ```
  # smbpasswd -a username
  ```

- create a unix-user

  ```
  # adduser username
  ```

- list the samba-users

  ```
  # pdbedit -L -v
  ```

- list UID and GUI of a user

  ```
  id username
  ```

- add a group a set its gid

```
# addgroup group_name --gid the_gid
```

- add an user a set its uid

```
# adduser user_name --uid the_uid
```

- check if samba runs

```
# systemctl status smbd nmbd
```

- get information about samab running

```
# smbstatus
```

Shared folders

Permissions:

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