

# Configuring a Samba Client

LPIC-2: Linux Engineer (202-450)

## Objectives:

At the end of this episode, I will be able to:

1. Describe the methods of connecting a Linux workstation to an CIFS or SMB share on the network.
2. Use the CLI, GUI, and fstab file to connect to a shared folder.

Additional resources used during the episode can be obtained using the download link on the overview episode.

- 
- Configuring a Samba Client
    - Mounting a Samba share from the CLI
    - Mounting a Samba share from the GUI
    - Mounting a Samba share at boot-time
  - Choosing a connection method
    - Mounting a Samba share from the CLI
      - Useful for temporary connections
      - Useful for scripting/automating connections
      - Useful for headless servers
    - Mounting a Samba share from the GUI
      - Useful for desktop clients
      - Easy to understand for end users
    - Mounting a Samba share at boot-time
      - Useful for frequently accessed shares
      - Useful for shared machines with multiple users
  - Mounting a Samba share from the CLI
    1. Install the required tools
      - `sudo apt install cifs-utils`
    2. Create a mount point
      - `mkdir /mnt/corp`
    3. Connect to the shared folder via SMB
      - `mount -t cifs -o user=dpezet,password=<password>,noperm //localhost/corp /mnt/corp`
  - Mounting a Samba share from the GUI
    1. Launch the Gnome file browser (Nautilus)
    2. Select Other-locations from the navigation tree
    3. Enter `smb://10.222.0.51/corp`
    4. Authenticate
  - Mounting a Samba share at boot
    1. Store credentials
      - `nano ~/.smbcredentials`
      - `user=dpezet`
      - `password=password123`
    2. Create your mount point
      - `sudo mkdir /mnt/corp`
      - `sudo chown dpezet:dpezet /mnt/corp`
    3. Get your User ID and Group ID

- id

#### 4. Update the file system table

- sudoedit /etc/fstab
- //10.222.0.51/corp /mnt/corp cifs  
credentials=/home/dpezet/.smbcredentials,uid=1001,gid=1001,noperm 0 0