SAMBA FILE SERVER

1) Samba is popular local network file hosting server service. Firstly install program:
    #   sudo apt-get install samba cifs-utils

2a) edit configuration file – full access privileges for **#userSamba:**
    #   sudo vim /etc/samba/smb.conf

[shareName]
  path = /pathToShareFolderIncludingContent
  force user = userSamba
  force group = root
  create mask = 0777
  directory mask = 0777
  hosts allow = WhiteListIPAddr
  read only = no
  public = no
  guest ok = no
  writable = yes

P.S. userSamba username must exist in system – create one: #sudo useradd userSamba.

  3a) add authorized user #userSamba to program Samba
sudo smbpasswd -a userSamba

  2b) edit configuration file – full access privileges for **everyone**:
    #   sudo vim /etc/samba/smb.conf

  [shareName]
    path = /pathToShareFolderIncludingContent
    force user = root
    force group = root
    create mask = 0777
    directory mask = 0777
    hosts allow = WhiteListIPAddr
    read only = no
    public = yes
    guest ok = yes
    writable = yes

  4) restart Samba
    #   sudo service smbd restart

  5) check configuration
    #   sudo testparm

  6) list actually connected clients to file servers:
    #sudo smbstatus

LINUX client to file server:

1a) load configuration at startup (note that password is clearly shown in system!):
    #   sudo mkdir /mnt/mountedClientFolder
    #   sudo vim /etc/fstab

//serverIPAddr/shareName   /mnt/mountedClientFolder   cifs username=userSamba,password=admin1,uid=userSamba 0 0

 2a) restart configuration
    #   sudo mount -a

1b) load configuration at startup with bash script:
  create one at home directory:
    #touch sambaClientMount.sh
  edit script to add mount point device:
#!/bin/sh

```
sudo        mount        //serverIPAddr/shareName        /mnt/mountedClientFolder        -o
username=userSamba,password=admin1,uid=$(id -u),gid=$(id -g)
```

WINDOWS client to file server:
      MyComputer PPM: add network localization
      Check non-standard network localization; Next
      Server Address: [\\serverIPAddr\shareName](\\serverIPAddr\shareName)